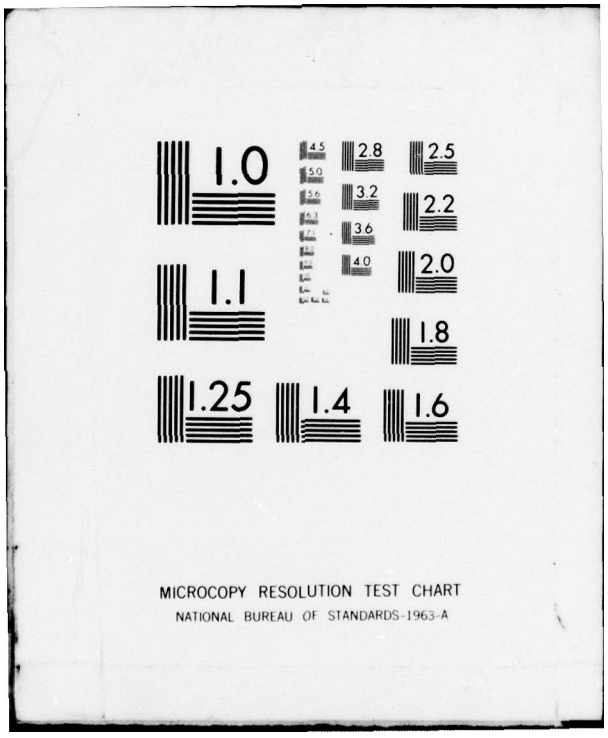
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SUMMARY OF SYNOPTIC METEOROLOGICAL OBSERVATIONS (SSMO) SELECTED--ETC(U)
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SUMMARY OF SYNOPTIC METEOROLOGICAL OBSERVATIONS (SSMO)

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LEVEL III

SELECTED SOUTH PACIFIC ISLAND MARINE AREAS

VOLUME 3

AREA 17 - TAHITI IS. AND MOOREA IS.
AREA 18 - TUAMOTU ARCHIPELAGO
AREA 19 - PITCAIRN ISLAND
AREA 20 - EASTER ISLAND
AREA 21 - ISLA SAN AMBROSIO AND ISLA SAN FELIX
AREA 22 - ISLAS JUAN FERNANDEZ
AREA 23 - NORFOLK ISLAND
AREA 24 - CHATHAM ISLAND

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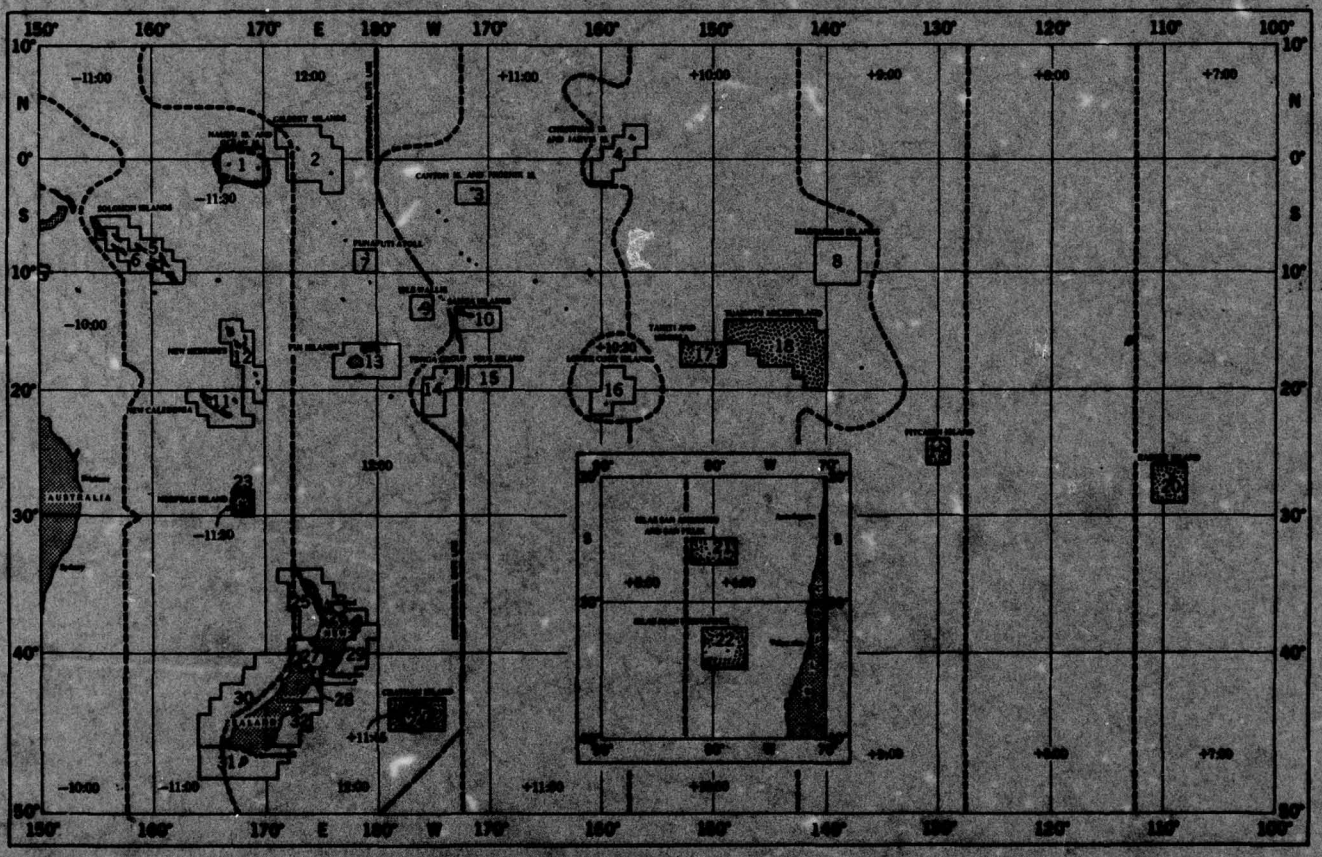
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PREPARED BY
THE NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, N.C.
FOR
COMMANDER, NAVAL OCEANOGRAPHY COMMAND

SEPTEMBER 1979



SELECTED SOUTH PACIFIC ISLANDS SEED AREAS AND STANDARD TIME ZONES

Shaded areas are included in this volume

A list of the area names and their central locations appears on the inside back cover

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SECURITY CLASSIFICATION OF THIS PAGE *(When Data Entered)*

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Marine climatology, Coastal Marine Summary Tables, Selected South Pacific Island Marine Areas, Tahiti Is. and Moorea Is., Tuamotu Archipelago, Pitcairn Island, Easter Island, Isla San Ambrosio and Isla San Felix, Islas Juan Fernandez, Norfolk,Island, Chatham Island.

20. ABSTRACT *(Continue on reverse side if necessary and identify by block number)*

This report presents marine climatological data for specific coastal areas in 21 different tables including weather occurrence, wind direction and speed, cloud amount, ceiling height, visibility, precipitation, dry bulb, relative humidity, air-sea temperature difference, sea height and period, sea surface temperature and sea level pressure.

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SUMMARY OF SYNOPTIC METEOROLOGICAL OBSERVATIONS (SSMO),

SELECTED SOUTH PACIFIC ISLAND MARINE AREAS

VOLUME 3

AREA 17 - TAHITI IS. AND MOOREA IS.
AREA 18 - TUAMOTU ARCHIPELAGO
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AREA 23 - NORFOLK ISLAND
AREA 24 - CHATHAM ISLAND

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PREPARED BY
THE NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, N.C.
FOR
COMMANDER, NAVAL OCEANOGRAPHY COMMAND

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SUMMARY OF SYNOPTIC METEOROLOGICAL OBSERVATIONS (MONTHLY AND ANNUAL)

The SSMO series of coastal marine summaries is managed and produced by the Naval Weather Service Detachment, Asheville, N. C. for the Commander, Naval Oceanography Command. A list of published SSMO's is contained in the catalogue part of the "Guide to Standard Weather Summaries and Climatic Services", NAVAIR 50-1C-534.

The data summarized in the following tables were obtained from Tape Data Family 11 (TDF-11) Marine Surface Observations. The development and maintenance of TDF-11 was primarily funded by the Naval Weather Service Command. The source of these marine surface observations was punched cards of weather observations taken aboard vessels of varying registry. These observations were recorded on magnetic tape in a common format. Elements not in WMO code were converted to this code where possible. Where this was not possible, the original data were retained within the tape record as supplemental data. A very limited quality control was attempted as the punched cards were converted to taped records and, where possible, missing psychrometric data were computed.

Before the tables are prepared, extreme values of selected parameters are scrutinized so that obvious errors can be excluded. This method is necessarily subjective since the only available record of many observations is the punched card from which the tape records were prepared. Frequently there is no concrete evidence to prove or disprove the validity of questionable data.

Also, it should be noted that these data are based upon observations made by ships in passage. Such ships tend to avoid bad weather when possible, thus biasing the data file toward good weather samples.

Because the number of observations may vary from one table to the other, no absolute relationship exists between the tables. As an example, air temperature counts for Tables 13 and 17 may not be identical since only observations containing both air temperature and relative humidity were counted in Table 13 and only those with both temperature and air-sea temperature difference were counted in Table 17. No requirement for simultaneous recording of all elements was made.

The primary period of record is that period (extending back in time from the most recent data) during which eighty percent of the total number of observations were recorded. The overall period is the earliest to the latest observed data used in compiling the tables. Tables 18 and 19 were tabulated from selected decks only and the overall period indicates the period of record of this data source. The primary period for these tables is not shown.

THE TABLES

Percentage frequencies are computed to hundredths and rounded to tenths. An asterisk (*) indicates percentage frequency > 0 and $< .05$. A value followed by a plus sign indicates greater than or equal to that value (8+ means 8 or greater). NH = low cloud amount (or middle cloud amount when low clouds are not present). The hours given in this publication are GMT.

The geographic position shown on the tables is the central position (centroid) of the observations within the area. This value may fall outside irregular areas.

Annual values are computed on the basis of the sum of the monthlies divided by the number of months.

Tables 1 through 19 appear in numerical order for each month, with the annual tables appearing after the tables for December. Tables 20 and 21 appear at the end of the entire series, after the annual summary for Table 19. The series of summaries appear in numerical order by area number.

Table 1 - Percentage Frequency of Weather Occurrence by Wind Direction (8 pts.).

Table 2 - Percentage Frequency of Weather Occurrence by Hour (GMT).

Table 3 - Percentage Frequency of Wind Direction (8 pts.) by Speed and by Hour (GMT). This table includes mean wind speed (kts.) by direction (8 pts.).

Table 3A - Percentage Frequency of Wind Direction (8 pts.) by Speed and by Hour (GMT). This table includes mean wind speed (kts.) by direction.

Table 4 - Percentage Frequency of Wind Speed by Hour (GMT). This table includes mean speed by hour.

Table 5 - Percentage Frequency of Total Cloud Amount (Oktas) by Wind Direction (8 pts.). This table includes mean cloud amount by wind direction.

Table 6 - Percentage Frequency of Ceiling Heights (feet, NH > 4/8) and Occurrence of NH <5/8 by Wind Direction (8 pts.).

Table 7 - Cumulative Percentage Frequency of Occurrence of Ceiling Height (feet, NH > 4/8) and Visibility (Nautical Miles).

Table 7A - Percentage Frequency of Low Cloud Amount (or Middle Cloud Amount if Low Clouds are not present). and Percentage Frequency of Sky Obscured. Amounts are in Oktas.

Table 8 - Percentage Frequency of Wind Direction (8 pts.) vs. Occurrence or Non-Occurrence of Precipitation at Observation Time with Varying Values of Visibility (Nautical Miles).

Table 9 - Percentage Frequency of Wind Direction (8 pts.) vs. Wind Speed (kts.) with Varying Values of Visibility (Nautical Miles).

Table 10 - Percentage Frequency of Ceiling Heights (feet, NH > 4/8) and Occurrence of NH <5/8 by Hour (GMT).

Table 11 - Percentage Frequency of Visibility (Nautical Miles) by Hour (GMT).

Table 12 - Cumulative Percentage Frequency of Ranges of Visibility (Nautical Miles) and Ceiling Height (feet, NH > 4/8) by Hour (GMT).

Table 13 - Percentage Frequency of Relative Humidity (%) by Air Temperature (° F.).

Table 14 - Percentage Frequency of Wind Direction (8 pts.) by Air Temperature (° F.).

Table 15 - Means, Extremes, and Percentiles of Air Temperature (° F.) by Hour (GMT). Extreme temperatures are the one maximum and one minimum value appearing in the marine data file. The Extremes may be unrepresentative due to sampling errors. Extrapolation from the percentile values usually gives a better estimate of expected extreme conditions.

Table 16 - Percentage Frequency of Relative Humidity (%) by Hour (GMT).

Table 17 - Percentage Frequency of Air Temperature (° F.) and the Occurrence of Fog vs. Air-Sea Temperature Difference (° F.).

Air-Sea Temperature Difference is:

Positive when the air is warmer than the sea surface; Negative when the air is cooler than the sea surface. In the table heading, the limits of the temperature ranges appear in a vertical arrangement along the top of the table.

Table 18 - Percentage Frequency of Surface Wind Speed (kts.) and Direction (8 pts.) vs. Sea Height (feet). Source deck 128 for which data are available from mid-1963 was used for these tables. This deck represents the latest and most complete homogeneous source of wave data available. Here, only sea waves generated by local winds in the vicinity of the observer are summarized.

Table 19 - Percentage Frequency of Wave Height (feet) vs. Wave Period (seconds). In this table when both sea and swell waves are present in an observation, the higher of the two is used. If both are the same height, the longer period is chosen. When only one of the wave groups is observed, either sea or swell, it is used in the summary. Swell waves are those generated by winds distant from the local area where the observation is taken.

Tables 1-19 appear together for each month and in the annual summary. The following two tables appear at the end of the entire series for each area.

Table 20 - Monthly and Annual Percentage Frequencies and Means of Sea Surface Temperature (° F.).

Table 21 - Monthly and Annual Sea Level Pressures (millibars). This table includes means by hour and for all hours, extreme values and percentile values.

Note: In this volume, percentage frequencies at specified hours of the day refer to percentages of observations taken at those hours, rather than percentages of observations taken at all hours. Data at adjacent hours are summarized with data at synoptic hours, i.e., data from 02 and 04 GMT are combined with data from 03 GMT.

CONTENTS

AREA	NAME	PAGES
17	TAHITI IS. AND MOOREA IS.	1-79
18	TUAMOTU ARCHIPELAGO	80-158
19	PITCAIRN ISLAND	159-237
20	EASTER ISLANDS	238-316
21	ISLA SAN AMBROSIO AND ISLA SAN FELIX	317-395
22	ISLAS JUAN FERNANDEZ	396-474
23	NORFOLK ISLAND	475-553
24	CHATHAM ISLAND	554-632

Copies of this document are obtainable from the National Technical Information Service (NTIS), Springfield, Virginia 22161.

DIRECTION AND WEATHER CODES

CONVERSION OF WIND AND WAVE DIRECTION TO 8 POINTS

A reduced bias system was employed in converting wind and wave directions to 8 points. This method attaches weighting values to observations which overlap two different 8 point sectors and treats them as "decimal observation counts." These decimal quantities are rounded to whole numbers for presentation as "observational counts" in the tables. Figures 1-4 below show the 8 point system with other systems superimposed.

Note: Because of rounding, sub-total sums of "observation counts" may not equal grand totals.

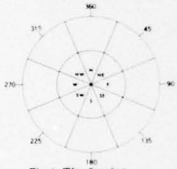


Fig 1. The 8 point direction system.

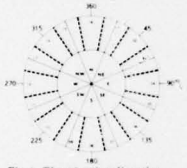


Fig 2. The 16 point direction system superimposed on the 8 point system.

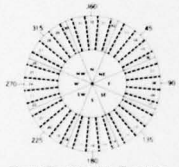


Fig 3. The 32 point direction system superimposed on the 8 point system.

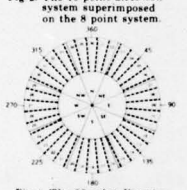


Fig 4. The 36 point direction system superimposed on the 8 point system.

VISIBILITY (VV)

CODE	INTERPRETATION (NAUTICAL MILES)
90-93	VV<1/2
94	1/2≤VV<1
95	1≤VV<2
96	2≤VV<5
97	5≤VV<10
98	10≤VV<25
99	VV≥25

NOTE: <means less than; >means greater than; ≤means less than or equal to; ≥means greater than or equal to.

PRESENT WEATHER (1960 WMO CODE 4677)

CODE	INTERPRETATION
58-59, 60-65, 91-94, (68-69,95,97 IF TEMP >40°F)	RAIN
80-82,(83-84 IF TEMP >40°F)	RAIN SHOWERS
50-55,58-59	DRIZZLE
56-57, 66-67	FREEZING PRECIPITATION
70-75,85-86, (68-69,83-84, 95,97 IF TEMP ≤40°F)	SNOW
76-79	OTHER FROZEN PRECIPITATION
87-90, 93-94, 96,99	HAIL
13,17, 19,29, 95-99	THUNDER LIGHTNING THUNDERSTORM

CODE	INTERPRETATION
10-12, 40-49	FOG (WITHOUT PRECIPITATION)
28	FOG (WITHOUT PRECIPITATION) PAST HOUR
04-05	SMOKE HAZE
06-09, 30-39	SPRAY BLOWING DUST BLOWING SNOW
00-03, 14-16, 18	NO SIGNIFICANT WEATHER AT OB TIME
00-49	NO PRECIPITATION AT OB TIME
50-99	PRECIPITATION AT OB TIME
20-27	PRECIPITATION PAST HOUR

NOTE: The following WMO codes were counted in two weather categories. 58-59 (rain and drizzle); 68-69 (rain and snow); 93-94 (rain and hail); 96 and 99 (hail and thunder/lightning/thunderstorm); 95 and 97 (snow and thunder/lightning/thunderstorm), or (rain and thunder/lightning/thunderstorm).

WAVE HEIGHT (from source decks 128 and 116)

RECORDED CODE (HALF METERS)	RANGE (METERS)	AS RECORDED IN TABULATION (FEET)
00	≤.25	<1
01	>.25 to .75	1-2
02	>.75 to 1.25	3-4
03	>1.25 to 1.75	5-6
04	>1.75 to 2.25	7
05	>2.25 to 2.75	8-9
06	>2.75 to 3.25	10-11
07	>3.25 to 3.75	12
08	>3.75 to 4.25	13-16
09	>4.25 to 4.75	
10	>4.75 to 5.25	17-19
11	>5.25 to 5.75	
12	>5.75 to 6.25	20-22
13	>6.25 to 6.75	
14	>6.75 to 7.25	23-25
15	>7.25 to 7.75	
16	>7.75 to 8.25	26-32
17	>8.25 to 8.75	
18	>8.75 to 9.25	
19	>9.25 to 9.75	
20	>9.75 to 10.25	33-40
21	>10.25 to 10.75	
22	>10.75 to 11.25	
23	>11.25 to 11.75	
24	>11.75 to 12.25	
25	>12.25 to 12.75	41-48
26	>12.75 to 13.25	
27	>13.25 to 13.75	
28	>13.75 to 14.25	
29	>14.25 to 14.75	
30	>14.75 to 15.25	49-60
31	>15.25 to 15.75	
32	>15.75 to 16.25	
33	>16.25 to 16.75	
34	>16.75 to 17.25	
35	>17.25 to 17.75	
36	>17.75 to 18.25	
37	>18.25 to 18.75	61-70
38	>18.75 to 19.25	
39	>19.25 to 19.75	
40	>19.75 to 20.25	
41	>20.25 to 20.75	
42	>20.75 to 21.25	
43	>21.25 to 21.75	71-86
44	>21.75 to 22.25	
45	>22.25 to 22.75	
46	>22.75 to 23.25	
47	>23.25 to 23.75	
48	>23.75 to 24.25	
49	>24.25 to 24.75	
50	>24.75 to 25.25	
51	>25.25 to 25.75	
52	>25.75 to 26.25	
53-99	>26.25 to 49.75	≥87

Indeterminate=INDET

JANUARY

PERIOD: (PRIMARY) 1943-1970
(OVER-ALL) 1926-1970

AREA 0017 TAHITI IS. AND MOOREA IS
17.1S 151.8W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
N	15.0	7.8	2.6	.0	.0	.0	.0	25.5	5.2	.0	.0	.0	2.6		.0	66.7
NE	4.3	8.5	.0	.0	.0	.0	.0	12.8	.0	5.1	.9	.0	.0		.0	81.2
E	2.2	4.5	.0	.0	.0	.0	.0	6.7	2.0	3.7	1.2	.0	.0		.0	86.4
SE	6.2	5.1	.0	.0	.0	.0	.0	11.3	3.1	3.1	.0	.0	.0		.0	82.6
S	.0	.0	.0	.0	.0	.0	.0	.0	10.8	.0	.0	.0	.0		.0	89.2
SW	9.5	19.0	.0	.0	.0	.0	.0	28.6	9.5	.0	.0	.0	.0		.0	61.9
W	.0	19.6	.0	.0	.0	.0	.0	19.6	15.2	.0	.0	.0	.0		.0	65.2
NW	14.0	13.2	.0	.0	.0	.0	.0	27.2	4.4	.0	.0	.0	.0		3.5	64.9
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	10.0	.0	.0	.0	.0		.0	90.0
TOT PCT	5.6	7.1	.3	.0	.0	.0	.0	13.0	3.6	2.7	.6	.0	.3		.3	79.6
TOT OBS:	338															

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
00&03	7.8	7.8	.0	.0	.0	.0	.0	15.6	6.5	1.3	1.3	.0	.0		.0	76.6
06&09	5.1	5.1	.9	.0	.0	.0	.0	11.1	1.7	3.4	.0	.0	.9		.0	82.9
12&15	.0	9.0	.0	.0	.0	.0	.0	9.0	3.8	5.1	.0	.0	.0		.0	82.1
18&21	8.7	5.4	.0	.0	.0	.0	.0	14.1	3.3	1.1	1.1	.0	.0		1.1	79.3
TOT PCT	5.2	6.6	.3	.0	.0	.0	.0	12.4	3.6	2.7	.5	.0	.3		.3	80.5
TOT OBS:	364															

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	WIND SPEED (KNOTS)									HOUR (GMT)							
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	.8	3.1	4.8	2.7	.0	.0		11.4	14.8	14.9	29.2	11.3	.0	9.5	.0	7.2	42.9
NE	1.2	9.8	6.7	.1	.0	.0		17.8	10.3	21.0	.0	16.4	15.6	19.0	20.8	19.9	.0
E	2.9	19.6	13.3	.0	.0	.0		35.8	9.9	25.7	62.5	36.5	46.9	28.2	66.7	41.9	42.9
SE	.3	6.6	7.2	.3	.0	.0		14.4	11.4	16.7	4.2	16.0	12.5	17.3	12.5	9.6	14.3
S	.3	2.2	.5	.0	.0	.0		3.0	8.1	1.4	.0	1.6	.0	4.9	.0	5.7	.0
SW	.3	1.7	.8	.0	.0	.0		2.9	8.6	2.9	.0	3.2	12.5	4.2	.0	1.2	.0
W	.7	2.6	.5	.0	.0	.0		3.9	7.7	4.3	.0	3.8	.0	6.7	.0	2.7	.0
NW	.3	2.0	4.6	1.4	.0	.0		8.2	14.8	11.6	4.2	6.8	12.5	8.8	.0	8.1	.0
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	2.7							2.7	.0	1.4	.0	4.5	.0	1.4	.0	3.6	.0
TOT OBS	35	175	141	16	0	0	367		10.7	69	12	111	8	71	6	83	7
TOT PCT	9.5	47.7	38.4	4.4	.0	.0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

	WIND SPEED (KNOTS)								HOUR (GMT)			
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	06 09	12 15	18 21
N	3.5	2.7	5.0	.3	.0		11.4	14.8	17.0	10.5	8.8	10.0
NE	4.4	10.6	2.7	.0	.0		17.8	10.3	17.9	16.4	19.2	18.3
E	10.4	21.3	4.1	.0	.0		35.8	9.9	31.2	37.2	31.2	41.9
SE	2.9	8.4	3.1	.0	.0		14.4	11.4	14.8	15.8	16.9	10.0
S	1.2	1.8	.0	.0	.0		3.0	8.1	1.2	1.5	4.5	5.3
SW	1.2	1.7	.0	.0	.0		2.9	8.6	2.5	3.8	3.9	1.1
W	1.7	1.6	.5	.0	.0		3.9	7.7	3.7	3.6	6.2	2.5
NW	1.2	3.3	3.5	.0	.0		8.2	14.8	10.5	7.1	8.1	7.5
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	2.7						2.7	.0	1.2	4.2	1.3	3.3
TOT OBS	107	189	70	1	0	367		10.7	81	119	77	90
TOT PCT	29.2	51.5	19.1	.3	.0		100.0		100.0	100.0	100.0	100.0

JANUARY

PERIOD: (PRIMARY) 1943-1978
(OVER-ALL) 1926-1978

AREA 0017 TAHITI IS. AND MOOREA IS
17.1S 151.8W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS) 1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00&03	1.2	1.2	40.7	51.9	4.9	.0	.0	12.6	100.0	81
06&09	4.2	12.6	48.7	31.1	3.4	.0	.0	9.4	100.0	119
12&15	1.3	2.6	49.4	42.9	3.9	.0	.0	11.2	100.0	77
18&21	3.3	7.8	51.1	32.2	5.6	.0	.0	10.3	100.0	90
TOT	10	25	175	141	16	0	0	10.7		367
PCT	2.7	6.8	47.7	38.4	4.4	.0	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	.4	.9	7.3	4.9		6.5
NE	3.9	3.4	4.7	2.8		4.6
E	8.7	11.1	11.5	2.1		4.0
SE	3.0	5.8	5.9	1.7		4.4
S	.3	1.1	1.3	.0		4.6
SW	.4	.4	.5	.9		5.6
W	.4	1.3	1.8	.0		4.5
NW	.4	.4	4.3	5.0		6.9
VAR	.0	.0	.0	.0		.0
CALM	.9	.0	1.7	.0		4.3
TOT OBS	44	56	90	40	230	4.9
TOT PCT	19.1	24.3	39.1	17.4	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT,NH >4/8) AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

WND DIR	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	TOTAL OBS
N	.0	.0	.4	.9	3.8	.9	.0	.0	.4	.0	7.1	
NE	.4	.0	.0	1.3	1.4	.5	.0	.0	.0	.0	11.1	
E	.0	.0	.0	1.1	1.6	2.5	.4	.0	.0	.0	27.7	
SE	.0	.0	.0	.8	1.3	1.3	.0	.4	.0	.0	13.2	
S	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	2.4	
SW	.0	.0	.0	.4	.0	.5	.0	.0	.0	.0	1.3	
W	.0	.0	.3	.3	.0	.3	.0	.0	.0	.0	2.6	
NW	.4	.0	.5	1.0	2.3	1.7	.0	.0	.0	.0	4.2	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.0	.0	.0	.4	.0	.0	.0	.0	.0	2.2	
TOT OBS	2	0	3	14	25	18	1	1	1	0	165	230
TOT PCT	.9	.0	1.3	6.1	10.9	7.8	.4	.4	.4	.0	71.7	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) ≥ OR >10	≥ OR >5	≥ OR >2	≥ OR >1	≥ OR >1/2	≥ OR >1/4	≥ OR >50YD	≥ OR >0
≥ OR >6500	.4	.4	.4	.4	.4	.4	.4	.4
≥ OR >5000	.8	.8	.8	.8	.8	.8	.8	.8
≥ OR >3500	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
≥ OR >2000	5.1	6.3	8.9	8.9	9.3	9.3	9.3	9.3
≥ OR >1000	9.7	14.3	19.4	19.4	19.8	19.8	19.8	19.8
≥ OR >600	12.7	19.8	24.9	24.9	25.7	25.7	25.7	25.7
≥ OR >300	13.1	21.1	26.2	26.2	27.0	27.0	27.0	27.0
≥ OR >150	13.1	21.1	26.2	26.2	27.0	27.0	27.0	27.0
≥ OR > 0	13.1	21.1	27.0	27.4	28.3	28.3	28.3	28.3
TOTAL	31	50	64	65	67	67	67	67

TOTAL NUMBER OF OBS: 237

PCT FREQ NH <5/8: 71.7

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8 OBSCD	TOTAL OBS
2.8	13.0	20.6	21.5	12.6	9.3	6.1	6.5	6.5	1.2	247

JANUARY

PERIOD: (PRIMARY) 1943-1978
(OVER-ALL) 1926-1978

AREA 0017 TAHITI IS. AND MOOREA IS
17.1S 151.8W

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	PCP	.0	.0	.3	.3	.0	.0	.0	.0	.0	.0	.6	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.3	.3	.0	.0	.0	.0	.0	.0	.6	
1<2	PCP	.0	.1	.2	.0	.0	.0	.0	.0	.0	.0	.3	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.1	.2	.0	.0	.0	.0	.0	.0	.0	.3	
2<5	PCP	1.2	.9	.0	.0	.0	.6	.0	1.5	.0	.0	4.1	
	NO PCP	.6	.0	.0	.0	.0	.1	.2	.9	.0	.0	1.8	
	TOT %	1.8	.9	.0	.0	.0	.7	.2	2.4	.0	.0	5.9	
5<10	PCP	.9	.8	1.1	.4	.0	.0	.1	.4	.0	.0	3.8	
	NO PCP	2.9	2.7	3.3	.7	.6	.6	.2	1.9	.0	.0	13.0	
	TOT %	3.8	3.6	4.4	1.2	.6	.6	.4	2.4	.0	.0	16.9	
10+	PCP	.8	.4	.8	.9	.0	.3	.5	.4	.0	.0	4.1	
	NO PCP	5.0	12.4	30.5	12.1	2.1	1.6	2.3	3.3	.0	3.0	72.2	
	TOT %	5.8	12.8	31.4	12.9	2.1	1.8	2.8	3.7	.0	3.0	76.3	
	TOT OBS												338
	TOT PCT	11.3	17.3	36.3	14.4	2.7	3.1	3.4	8.4	.0	3.0	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.3	.3	.0	.0	.0	.0	.0		.6	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.3	.3	.0	.0	.0	.0	.0	.0	.6	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.1	.2	.0	.0	.0	.0	.0	.0		.3	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.1	.2	.0	.0	.0	.0	.0	.0	.0	.3	
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.6	.0	.0	.0	.4	.2	.0	.0		1.2	
	11-21	.6	.3	.0	.0	.0	.3	.0	1.2	.0		2.4	
	22+	1.2	.0	.0	.0	.0	.0	.0	1.2	.0		2.4	
	TOT %	1.8	.9	.0	.0	.0	.7	.2	2.4	.0	.0	5.9	
5<10	0-3	.0	.0	.3	.0	.0	.3	.0	.0	.0	.0	.6	
	4-10	.3	.7	2.2	1.0	.3	.3	.4	.2	.0		5.3	
	11-21	2.0	2.9	1.9	.2	.3	.0	.0	1.8	.0		9.2	
	22+	1.5	.0	.0	.0	.0	.0	.0	.3	.0		1.8	
	TOT %	3.8	3.6	4.4	1.2	.6	.6	.4	2.4	.0	.0	16.9	
10+	0-3	.9	1.3	2.8	.4	.3	.1	.8	.3	.0	3.0	9.8	
	4-10	2.5	8.0	16.8	5.7	1.6	1.2	1.7	1.8	.0		39.3	
	11-21	2.1	3.5	11.8	6.6	.2	.6	.3	1.6	.0		26.6	
	22+	.2	.1	.0	.3	.0	.0	.0	.0	.0		.6	
	TOT %	5.8	12.8	31.4	12.9	2.1	1.8	2.8	3.7	.0	3.0	76.3	
	TOT OBS												338
	TOT PCT	11.3	17.3	36.3	14.4	2.7	3.1	3.4	8.4	.0	3.0	100.0	

JANUARY

PERIOD: (PRIMARY) 1943-1976
(OVER-ALL) 1926-1978

AREA 0017 TAHITI IS. AND MOOREA IS
17.1S 151.8W

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET,NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00&03	1.3	.0	.0	6.7	21.3	9.3	.0	.0	.0	.0	38.7	61.3	75
06&09	1.7	.0	1.7	6.8	5.1	11.9	1.7	.0	.0	.0	28.8	71.2	59
12&15	1.4	.0	2.8	7.0	2.8	4.2	.0	1.4	1.4	.0	21.1	78.9	71
18&21	.0	.0	.0	.0	11.1	5.6	.0	.0	.0	.0	16.7	83.3	36
TOT	3	0	3	14	25	19	1	1	1	0	67	174	241
PCT	1.2	.0	1.2	5.8	10.4	7.9	.4	.4	.4	.0	27.8	72.2	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00&03	.0	1.3	1.3	3.9	22.1	71.4	77
06&09	.0	.0	.0	6.8	17.9	75.2	117
12&15	.0	.0	.0	2.6	14.1	83.3	78
18&21	.0	1.1	1.1	8.7	10.9	78.3	92
TOT	0	2	2	21	54	280	364
PCT	.0	.5	.5	5.8	16.2	76.9	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET,NH >4/8),BY HOUR

HOUR (GMT)	<150 <500	<600 <1	<1000 <3	1000+ AND3+	NH <5/8 AND 5+	TOTAL OBS
00&03	1.4	2.7	12.2	27.0	60.8	74
06&09	1.7	3.4	19.0	12.1	69.0	58
12&15	1.4	4.3	13.0	8.7	78.3	69
18&21	.0	2.8	16.7	2.8	80.6	36
TOT	3	8	35	34	168	237
PCT	1.3	3.4	14.8	14.3	70.9	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
90/94	.0	.0	.0	.0	.6	.0	.0	.3	3	.9
85/89	.0	.0	.0	.0	1.8	4.0	1.8	.9	28	8.6
80/84	.0	.0	.0	.0	2.4	27.8	28.1	11.9	230	70.3
75/79	.0	.0	.0	.0	.3	5.2	7.6	6.4	64	19.6
70/74	.0	.0	.0	.0	.0	.0	.6	.0	2	.6
TOTAL	0	0	0	0	17	121	125	64	327	100.0
PCT	.0	.0	.0	.0	5.2	37.0	38.2	19.6		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
.0	.3	.3	.3	.0	.0	.0	.0	.0	.0
.9	3.4	1.9	1.4	.0	.3	.0	.0	.0	.6
9.0	11.1	26.5	10.2	2.8	1.6	2.9	3.8	.0	2.4
2.1	3.1	5.2	2.8	.2	1.3	.8	4.0	.0	.0
.0	.0	.6	.0	.0	.0	.0	.0	.0	.0
12.1	18.0	34.5	14.6	3.1	3.2	3.7	7.8	.0	3.1

TABLE 15

MEANS,EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00&03	91	90	88	83	77	72	72	82.5	83
06&09	89	86	84	81	77	74	74	81.1	129
12&15	85	84	83	81	77	75	75	80.3	80
18&21	94	87	85	81	76	74	74	81.2	100
TOT	94	89	85	81	77	74	72	81.2	392

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00&03	.0	.0	17.9	52.6	23.1	6.4	76	78
06&09	.0	.0	.9	32.4	35.2	31.5	85	108
12&15	.0	.0	1.3	42.3	50.0	6.4	81	78
18&21	.0	.0	2.3	17.4	41.9	38.4	86	86
TOT	0	0	18	124	131	77	82	350

JANUARY

PERIOD: (PRIMARY) 1943-1978
(OVER-ALL) 1926-1978

AREA 0017 TAHITI IS. AND MOOREA IS
17.1S 151.8W

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	69 72	73 76	77 80	81 84	85 88	89 92	TOT	W FOG	WO FOG
7/8	.0	.0	.0	.0	.0	.4	1	.0	.4
6	.0	.0	.0	.4	.0	.0	1	.0	.4
5	.0	.0	.0	.0	.0	.4	1	.0	.4
4	.0	.0	.0	.4	.0	.4	2	.0	.7
3	.0	.0	.0	1.8	1.5	.0	9	.0	3.3
2	.0	.0	.4	2.9	2.9	.0	17	.4	5.9
1	.0	.0	.0	5.1	2.2	.0	20	.0	7.4
0	.0	.0	1.1	10.7	.0	.0	32	.0	11.8
-1	.0	.0	2.9	14.0	.4	.0	47	.4	16.9
-2	.0	.0	5.5	10.3	.0	.0	43	.0	15.8
-3	.0	.0	6.6	3.7	.0	.0	28	.0	10.3
-4	.0	.0	7.0	4.8	.0	.0	32	.0	11.8
-5	.0	.4	5.5	.7	.0	.0	18	.0	6.6
-6	.0	1.8	2.9	.7	.0	.0	15	.0	5.5
-7/-8	.0	1.1	.4	.0	.0	.0	4	.0	1.5
-9/-10	.4	.0	.0	.0	.0	.0	1	.0	.4
-11/-13	.4	.0	.0	.0	.0	.0	1	.0	.4
TOTAL	2		88		19		2		270
		9		151		3	272		
PCT	.7	3.3	32.4	55.5	7.0	1.1	100.0	.7	99.3

PERIOD: (OVER-ALL) 1963-1978

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.6	.6	.4	.0	.0	.0	1.5
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.6	2.1	2.8	.0	.0	5.5
5-6	.0	.4	2.7	1.1	.0	.0	4.2
7	.0	.0	1.5	.0	.0	.0	1.5
8-9	.0	.0	.0	.6	.0	.0	.6
10-11	.0	.0	.0	.6	.0	.0	.6
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.6	1.5	6.7	5.1	.0	.0	13.9

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.1	.1	.0	.0	.0	.3
1-2	.6	3.7	1.7	.0	.0	.0	5.9
3-4	.0	1.5	2.0	.0	.0	.0	3.5
5-6	.0	1.0	.6	.0	.0	.0	1.5
7	.0	.0	2.4	.0	.0	.0	2.4
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.6	6.3	6.7	.0	.0	.0	13.6

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	2.0	.0	.0	.0	.0	2.0
1-2	.0	7.3	12.6	.0	.0	.0	19.9
3-4	.0	2.7	6.9	.0	.0	.0	9.6
5-6	.0	.8	.6	.0	.0	.0	1.4
7	.0	.0	1.7	.0	.0	.0	1.7
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	12.8	21.8	.0	.0	.0	34.6

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.1	.0	.0	.0	.0	.1
1-2	.0	4.5	3.7	.0	.0	.0	8.1
3-4	.0	2.1	3.5	.0	.0	.0	5.6
5-6	.0	.0	1.8	.0	.0	.0	1.8
7	.0	.0	.6	.6	.0	.0	1.1
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	6.7	9.6	.6	.0	.0	16.9

PERIOD: (OVER-ALL) 1963-1978

JANUARY

TABLE 1d (CONT)

AREA 0017 TAHITI IS. AND MOOREA IS
17.5S 151.6W

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

S

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	1.4	.0	.0	.0	.0	1.4
3-4	.0	.4	.0	.0	.0	.0	.4
5-6	.0	.0	.4	.0	.0	.0	.4
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	1.8	.4	.0	.0	.0	2.2

SW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.6	.0	.0	.0	.0	.6
3-4	.0	.7	.0	.0	.0	.0	.7
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	1.3	.0	.0	.0	.0	1.3

W

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	1.1	.6	.0	.0	.0	.0	1.7
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	1.0	.0	.0	.0	.0	1.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.6	.0	.0	.0	.6
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.1	1.5	.6	.0	.0	.0	3.2

NW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	.0	.0	.0	.0	.0	.0	.0	
1-2	.0	3.4	1.1	.0	.0	.0	4.5	
3-4	.0	.0	1.8	.6	.0	.0	2.4	
5-6	.0	.0	1.8	1.7	.0	.0	3.5	
7	.0	.0	.6	.6	.0	.0	1.1	
8-9	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.0	3.4	3.3	2.8	.0	.0	11.5	97.2

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	5.0	3.4	.6	.0	.0	.0	8.9	
1-2	.6	20.7	19.0	.0	.0	.0	40.2	
3-4	.0	8.9	16.2	3.4	.0	.0	28.5	
5-6	.0	2.2	7.8	2.8	.0	.0	12.8	
7	.0	.0	7.3	1.1	.0	.0	8.4	
8-9	.0	.0	.0	.6	.0	.0	.6	
10-11	.0	.0	.0	.6	.0	.0	.6	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	5.6	33.2	50.8	8.4	.0	.0	100.0	179

PERIOD: (OVER-ALL) 1951-1978

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	1.9	23.1	9.7	9.3	4.2	1.4	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	109	3
6-7	.0	.9	10.2	6.8	5.6	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	56	5
8-9	.0	.5	2.3	4.8	1.9	.5	.9	.5	.5	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	22	7
10-11	.0	.0	.0	.9	.5	.9	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6	7
12-13	.0	.0	.9	.0	.0	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3	5
>13	.0	.0	.0	.0	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2	7
INDET	1.4	.0	1.9	1.4	2.8	.0	.5	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	18	5
TOTAL	7	53	54	50	34	7	6	2	2	1	0	0	0	0	0	0	0	0	0	216	4
PCT	3.2	24.5	25.0	23.1	15.7	3.2	2.8	.9	.9	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

FEBRUARY

PERIOD: (PRIMARY) 1942-1978
(OVER-ALL) 1913-1978

AREA 0017 TAHITI IS. AND MOOREA IS
17.6S 151.7W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA				
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST BLWG SNOW	NO SIG WEA
N	11.2	7.5	4.3	.0	.0	.0	.0	23.0	4.3	.0	.0	.0	.0	.0	72.7
NE	5.0	1.8	1.3	.0	.0	.0	.6	7.8	2.5	1.8	.0	.0	.0	.0	88.1
E	3.2	1.3	.0	.0	.0	.0	.0	4.5	.7	2.7	.0	.0	.0	.0	92.1
SE	.5	.2	.0	.0	.0	.0	.0	1.0	.5	5.5	.0	.0	.0	.0	93.0
S	.0	4.9	.0	.0	.0	.0	.0	4.9	4.9	.0	.0	.0	.0	.0	90.2
SW	.0	12.5	.0	.0	.0	.0	.0	12.5	12.5	12.5	.0	.0	.0	.0	62.5
W	10.0	.0	.0	.0	.0	.0	.0	10.0	13.3	.0	.0	.0	.0	.0	76.7
NW	9.9	11.1	.9	.0	.0	.0	.0	25.9	4.9	.0	.0	.0	.0	.0	69.1
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	9.1	9.1	.0	.0	.0	.0	.0	18.2	9.1	.0	.0	.0	.0	.0	72.7
TOT PCT	4.7	3.1	1.0	.0	.0	.0	.0	8.8	2.6	2.4	.0	.0	.0	.0	86.3
TOT OBS:	387														

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA				
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST BLWG SNOW	NO SIG WEA
00&03	3.0	3.0	3.0	.0	.0	.0	.0	9.0	6.0	.0	.0	.0	.0	.0	85.1
06&09	5.6	.7	.0	.0	.0	.0	.0	6.3	2.1	2.8	.0	.0	.0	.0	88.8
12&15	5.6	6.9	1.4	.0	.0	.0	.0	13.9	2.8	8.3	.0	.0	.0	.0	75.0
18&21	3.1	3.1	.8	.0	.0	.0	.0	7.0	.8	.0	.0	.0	.0	.0	92.2
TOT PCT	4.4	2.9	1.0	.0	.0	.0	.0	8.3	2.4	2.4	.0	.0	.0	.0	86.9
TOT OBS:	411														

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	WIND SPEED (KNOTS)									HOUR (GMT)							
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	.7	6.8	4.3	.4	.0	.0		12.2	10.8	23.9	100.0	9.5	40.0	13.4	.0	6.4	18.8
NE	1.5	12.0	6.0	.5	.0	.0		20.1	9.3	19.9	.0	19.7	.0	19.9	20.0	22.1	6.3
E	3.8	22.4	12.0	.0	.0	.0		38.3	9.4	31.3	.0	36.9	20.0	38.8	.0	47.3	.0
SE	2.2	6.5	4.5	.0	.0	.0		13.1	9.0	13.2	.0	16.1	20.0	12.3	40.0	8.7	25.0
S	.8	2.8	.2	.0	.0	.0		3.8	6.3	2.9	.0	5.5	.0	2.2	20.0	2.9	.0
SW	1.0	.7	.5	.0	.0	.0		2.2	5.9	.0	.0	3.8	.0	2.9	.0	1.7	.0
W	.2	1.6	.2	.0	.0	.0		2.0	7.2	1.5	.0	1.5	.0	1.4	.0	3.5	.0
NW	.6	1.4	3.3	.1	.0	.0		5.3	11.7	7.4	.0	2.5	20.0	7.6	20.0	4.1	25.0
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	3.0							3.0	.0	.0	.0	4.5	.0	1.4	.0	3.3	25.0
TOT OBS	56	219	126	4	0	0	405		9.1	68	1	132	5	69	5	121	4
TOT PCT	13.8	54.1	31.1	1.0	.0	.0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

	WIND SPEED (KNOTS)								HOUR (GMT)			
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	06 09	12 15	18 21
N	3.8	5.6	2.7	.2	.0		12.2	10.8	25.0	10.6	12.5	6.8
NE	6.4	11.9	1.5	.2	.0		20.1	9.3	19.6	19.0	19.9	21.6
E	11.5	23.7	3.1	.0	.0		38.3	9.4	30.8	36.3	36.1	45.8
SE	4.8	7.3	1.0	.0	.0		13.1	9.0	13.0	16.2	14.2	9.2
S	2.1	1.7	.0	.0	.0		3.8	6.3	2.9	5.3	3.4	2.8
SW	1.7	.2	.2	.0	.0		2.2	5.9	.0	3.6	2.7	1.6
W	.9	.9	.2	.0	.0		2.0	7.2	1.4	1.5	1.4	3.4
NW	1.4	2.6	1.4	.0	.0		5.3	11.7	7.2	3.1	8.4	4.8
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	3.0						3.0	.0	.0	4.4	1.4	4.0
TOT OBS	144	218	41	2	0	405		9.1	69	137	74	125
TOT PCT	35.6	53.8	10.1	.5	.0		100.0		100.0	100.0	100.0	100.0

FEBRUARY

PERIOD: (PRIMARY) 1942-1978
(OVER-ALL) 1913-1978

AREA 9017 TAHITI IS. AND MOOREA IS
17.0S 151.7W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS) 1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00&03	.0	2.9	50.7	42.0	4.3	.0	.0	11.6	100.0	69
06&09	4.4	13.1	53.3	29.2	.0	.0	.0	8.3	100.0	137
12&15	1.4	4.1	56.8	37.8	.0	.0	.0	9.6	100.0	74
18&21	4.0	16.8	55.2	23.2	.8	.0	.0	8.2	100.0	125
TOT	12	44	219	166	4	0	0	9.1		405
PCT	3.0	10.9	54.1	31.1	1.0	.0	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	1.2	2.0	8.5	4.9		6.2
NE	2.7	6.3	8.5	3.6		5.0
E	7.7	15.1	6.4	2.6		3.9
SE	2.1	7.9	4.7	1.0		4.3
S	.4	.4	1.8	.0		4.9
SW	.5	.1	.5	.0		3.8
W	.0	.5	.9	.0		4.9
NW	1.0	.0	4.2	2.3		6.2
VAR	.0	.0	.0	.0		.0
CALM	.0	1.6	.5	.0		4.0
TOT OBS	30	65	69	28	192	4.8
TOT PCT	15.6	33.9	35.9	14.6	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT,NH >4/8) AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	TOTAL OBS
.0	.0	.0	.0	7.0	.0	.0	.0	.0	.0	9.5	
.0	.0	1.0	1.6	1.8	.5	.0	.5	.0	.0	15.6	
.0	.0	.5	.4	3.1	.5	.0	.0	.0	.0	27.2	
.0	.0	.0	1.4	1.6	.5	.5	.0	.0	.0	11.7	
.0	.0	.0	.8	.0	.0	.0	.0	.0	.0	1.8	
.0	.0	.0	.0	.5	.0	.0	.0	.0	.0	.7	
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.4	
.0	.0	.0	1.0	1.6	.0	.5	.0	.0	.0	4.4	
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
.0	.0	.0	.0	.5	.0	.0	.0	.0	.0	1.6	
0	0	3	10	31	3	2	1	0	0	142	192
.0	.0	1.6	5.2	16.1	1.6	1.0	.5	.0	.0	74.0	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) * OR >10	* OR >5	* OR >2	* OR >1	* OR >1/2	* OR >1/4	* OR >50YD	* OR >0
* OR >6500	.0	.0	.0	.0	.0	.0	.0	.0
* OR >5000	.5	.5	.5	.5	.5	.5	.5	.5
* OR >3500	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
* OR >2000	2.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6
* OR >1000	10.7	16.8	19.4	19.4	19.4	19.4	19.4	19.4
* OR >600	12.8	21.9	24.5	24.5	24.5	24.5	24.5	24.5
* OR >300	13.8	23.5	26.0	26.0	26.0	26.0	26.0	26.0
* OR >150	13.8	23.5	26.0	26.0	26.0	26.0	26.0	26.0
* OR > 0	13.8	23.5	26.0	26.0	26.0	26.0	26.0	26.0
TOTAL	27	46	51	51	51	51	51	51

TOTAL NUMBER OF OBS: 196 PCT FREQ NH <5/8: 74.0

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8 OBSCD	TOTAL OBS
1.4	10.4	23.2	22.7	15.2	7.1	5.7	5.7	8.5	.0	211

FEBRUARY

PERIOD: (PRIMARY) 1942-1978
(OVER-ALL) 1913-1978

AREA 0017 TAHITI IS. AND MOOREA IS
17.0S 151.7W

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	PCP	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.3	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.3	
1<2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	PCP	.6	.0	.0	.0	.0	.0	.0	.1	.0	.0	.8	
	NO PCP	.4	.1	.7	.6	.2	.1	.0	.3	.0	.0	2.3	
	TOT %	1.0	.1	.7	.6	.2	.1	.0	.4	.0	.0	3.1	
5<10	PCP	1.2	.6	.7	.1	.2	.0	.0	.8	.0	.3	3.9	
	NO PCP	1.4	2.1	2.3	1.2	1.1	.0	.0	.9	.0	.3	9.3	
	TOT %	2.6	2.7	3.0	1.4	1.3	.0	.0	1.7	.0	.5	13.2	
10+	PCP	1.0	.8	1.0	.0	.0	.3	.2	.4	.0	.3	3.9	
	NO PCP	7.5	16.7	33.7	10.9	2.5	1.7	1.7	2.7	.0	2.1	79.6	
	TOT %	8.5	17.5	34.8	10.9	2.5	2.0	1.9	3.1	.0	2.3	83.5	
	TOT OBS												387
	TOT PCT	12.1	20.6	38.4	12.9	3.9	2.1	1.9	5.9	.0	2.8	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.3	.0	.0	.0	.0	.0	.0	.0		.3	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.3	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.3	.0	.0	.0	.0	.0		.3	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.3	
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.3	.0	.0	.3	
	4-10	.4	.1	.5	.6	.2	.1	.0	.0	.0		1.8	
	11-21	.6	.0	.3	.0	.0	.0	.0	.1	.0		1.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	1.0	.1	.7	.6	.2	.1	.0	.4	.0	.0	3.1	
5<10	0-3	.0	.3	.0	.3	.2	.0	.0	.0	.0	.5	1.3	
	4-10	1.2	1.4	2.1	.6	1.1	.0	.0	.1	.0		6.4	
	11-21	1.2	.8	.8	.5	.0	.0	.0	1.7	.0		4.9	
	22+	.3	.3	.0	.0	.0	.0	.0	.0	.0		.5	
	TOT %	2.6	2.7	3.0	1.4	1.3	.0	.0	1.7	.0	.5	13.1	
10+	0-3	.7	1.4	4.0	1.9	.6	.8	.3	.3	.0	2.3	12.4	
	4-10	4.8	10.6	19.4	5.0	1.6	.6	1.5	1.3	.0		44.8	
	11-21	2.7	5.3	11.3	3.9	.2	.5	.2	1.4	.0		25.5	
	22+	.2	.3	.0	.0	.0	.0	.0	.1	.0		.5	
	TOT %	8.4	17.5	34.7	10.9	2.4	2.0	1.9	3.1	.0	2.3	83.2	
	TOT OBS												388
	TOT PCT	12.0	20.6	38.3	13.1	3.9	2.1	1.9	5.2	.0	2.8	100.0	

FEBRUARY

PERIOD: (PRIMARY) 1942-1978
(OVER-ALL) 1913-1978

AREA 0017 TAHITI IS. AND MOOREA IS
17.0S 151.7W

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET,NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00&03	.0	.0	.0	6.0	10.4	1.5	.0	.0	.0	.0	17.9	82.1	67
06&09	.0	.0	2.0	2.0	24.5	.0	2.0	2.0	.0	.0	32.7	67.3	49
12&15	.0	.0	1.7	6.7	13.3	1.7	1.7	.0	.0	.0	25.0	75.0	60
18&21	.0	.0	3.4	3.4	13.8	6.9	.0	.0	.0	.0	27.6	72.4	29
TOT	0	0	3	10	31	4	2	1	0	0	51	154	205
PCT	.0	.0	1.5	4.9	15.1	2.0	1.0	.5	.0	.0	24.9	75.1	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00&03	.0	.0	.0	.0	9.0	91.0	67
06&09	.0	.0	.7	4.9	16.7	77.8	144
12&15	.0	1.4	.0	2.8	13.9	81.9	72
18&21	.0	.0	.0	2.3	12.4	85.3	129
TOT	0	1	1	12	56	342	412
PCT	.0	.2	.2	2.9	13.6	83.0	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET,NH >4/8), BY HOUR

HOUR (GMT)	<150 <50VSBY	<600 <1	<1000 <3	1000+ AND3+	NH <5/8 AND 5+	TOTAL OBS
00&03	.0	.0	6.0	11.9	82.1	67
06&09	.0	2.1	8.5	25.5	66.0	47
12&15	.0	1.9	13.2	15.1	71.7	53
18&21	.0	3.4	10.3	17.2	72.4	29
TOT	0	3	18	33	145	196
PCT	.0	1.5	9.2	16.8	74.0	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
95/99	.0	.0	.0	.0	.3	.0	.0	.0	1	.3
90/94	.0	.0	.0	.0	1.0	.8	.3	.0	8	2.1
85/89	.0	.0	.0	.0	2.1	6.3	5.0	2.9	62	16.2
80/84	.0	.0	.0	.3	2.6	20.9	28.2	16.2	261	68.1
75/79	.0	.0	.0	.0	.0	2.1	5.0	6.3	51	13.3
TOTAL	0	0	0	1	23	115	147	97	383	100.0
PCT	.0	.0	.0	.3	6.0	30.0	38.4	25.3		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
.3	.0	.0	.0	.0	.0	.0	.0	.0	.0
.0	.3	1.5	.1	.2	.1	.0	.0	.0	.0
2.3	3.3	8.1	1.0	.2	.0	.3	.9	.0	.0
7.0	15.7	23.5	10.8	3.6	1.2	1.0	3.0	.0	2.3
2.8	1.4	5.3	.8	.0	.5	.7	1.3	.0	.5
12.5	20.6	38.4	12.7	4.0	1.8	2.0	5.2	.0	2.9

TABLE 15

MEANS,EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00&03	90	89	89	83	80	78	78	83.6	69
06&09	95	94	88	82	78	75	75	82.5	150
12&15	84	83	32	81	77	76	76	80.3	76
18&21	91	90	87	83	77	75	75	82.5	136
TOT	95	90	87	82	78	75	75	82.3	431

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00&03	.0	.0	12.1	47.0	33.3	7.6	78	66
06&09	.0	.0	8.0	27.5	32.6	31.9	84	138
12&15	.0	.0	1.4	28.8	50.7	19.2	83	73
18&21	.0	.8	2.3	21.9	35.2	39.8	86	128
TOT	0	1	23	118	149	114	83	405

FEBRUARY

PERIOD: (PRIMARY) 1942-1978
(OVER-ALL) 1913-1978

AREA 0017 TAHITI IS. AND MOOREA IS
17.0S 151.7W

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	73 76	77 80	81 84	85 88	89 92	TOT	W FOG	WO FOG
7/8	.0	.0	.4	.8	.0	3	.0	1.2
6	.0	.0	.4	.0	1.2	4	.0	1.6
5	.0	.0	.0	.4	.0	1	.0	.4
4	.0	.0	.4	1.2	.4	5	.0	2.0
3	.0	.0	.4	.8	.0	3	.0	1.2
2	.0	.0	2.7	1.6	.0	11	.0	4.3
1	.0	.0	6.6	2.7	.0	24	.0	9.4
0	.0	2.3	16.4	1.6	.0	52	.0	20.3
-1	.0	6.6	16.4	.8	.0	61	.0	23.8
-2	.0	5.5	8.2	.4	.0	36	.0	14.1
-3	.0	2.0	4.7	.4	.0	18	.0	7.0
-4	.0	4.3	3.5	.0	.0	20	.0	7.8
-5	.0	2.0	1.6	.0	.0	9	.0	3.5
-6	.0	1.6	.0	.0	.0	4	.0	1.6
-7/-8	.8	.8	.0	.0	.0	4	.0	1.6
-9/-10	.4	.0	.0	.0	.0	1	.0	.4
TOTAL	3	64	158	27	4	256	0	256
PCT	1.2	25.0	61.7	10.5	1.6	100.0		100.0

PERIOD: (OVER-ALL) 1963-1978

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.4	.0	.0	.0	.0	.4
1-2	.0	4.1	1.0	.0	.0	.0	5.2
3-4	.0	1.5	2.4	.0	.0	.0	3.8
5-6	.0	.9	1.9	.0	.0	.0	2.8
7	.0	.0	.6	.0	.0	.0	.6
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.6	.6	.0	.0	1.2
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	7.0	6.5	.6	.0	.0	14.1

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.6	1.5	.0	.0	.0	.0	2.1
1-2	.0	6.5	3.1	.0	.0	.0	9.6
3-4	.0	2.7	1.8	.0	.0	.0	4.4
5-6	.0	1.3	3.6	.0	.0	.0	4.9
7	.0	.0	.6	.6	.0	.0	1.2
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.6	12.0	9.0	.6	.0	.0	22.2

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	1.0	.0	.0	.0	.0	1.0
1-2	.6	8.9	5.2	.0	.0	.0	14.6
3-4	.0	7.4	3.8	.0	.0	.0	11.2
5-6	.0	.6	7.1	.0	.0	.0	7.7
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.6	.0	.0	.0	.6
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.6	17.9	16.7	.0	.0	.0	35.2

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	1.2	6.4	1.3	.0	.0	.0	8.9
3-4	.0	2.2	2.1	.0	.0	.0	4.3
5-6	.0	.0	1.2	.0	.0	.0	1.2
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.6	.0	.0	.0	.6
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.2	8.6	5.2	.0	.0	.0	14.9

PERIOD: (OVER-ALL) 1963-1978

FEBRUARY

TABLE 18 (CONT)

AREA 0017 TAHITI IS. AND MOOREA IS
17.0S 151.7W

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

	S							SW						
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	2.1	.0	.0	.0	.0	2.1	.0	.1	.6	.0	.0	.0	.7
3-4	.0	.9	.0	.0	.0	.0	.9	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	3.0	.0	.0	.0	.0	3.0	.0	.1	.6	.0	.0	.0	.7

	W							NW							TOTAL
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	PCT
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1-2	.0	1.2	.0	.0	.0	.0	1.2	.0	.9	.0	.0	.0	.0	.9	
3-4	.0	.0	.4	.0	.0	.0	.4	.0	.1	3.7	.0	.0	.0	3.8	
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.1	1.0	.0	.0	.0	1.2	
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.0	1.2	.4	.0	.0	.0	1.6	.0	1.2	4.7	.0	.0	.0	5.9	97.6

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	2.9	2.9	.0	.0	.0	.0	5.9	
1-2	1.8	30.6	11.2	.0	.0	.0	43.5	
3-4	.0	14.7	14.1	.0	.0	.0	28.8	
5-6	.0	2.9	14.7	.0	.0	.0	17.6	
7	.0	.0	1.2	.6	.0	.0	1.8	
8-9	.0	.0	.6	.0	.0	.0	.6	
10-11	.0	.0	1.2	.6	.0	.0	1.8	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
								170
TOT PCT	4.7	51.2	42.9	1.2	.0	.0	100.0	

PERIOD: (OVER-ALL) 1953-1978

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	.5	9.6	12.2	12.2	2.5	1.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	77	4
6-7	.0	2.0	4.6	11.2	4.1	5.6	.0	.5	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	56	6
8-9	.0	.0	2.5	9.6	4.6	1.0	1.0	.5	1.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	33	7
10-11	.0	.5	.5	1.5	2.5	.5	.5	.5	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	15	7
12-13	.0	.0	1.0	.5	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5	5
>13	.0	.0	.0	.0	1.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3	7
INDET	1.0	.0	.5	1.0	1.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	8	4
TOTAL	3	24	42	63	34	17	5	3	6	0	0	0	0	0	0	0	0	0	0	197	5
PCT	1.5	12.2	21.3	32.0	17.3	8.6	2.5	1.5	3.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

MARCH

PERIOD: (PRIMARY) 1942-1977
(OVER-ALL) 1887-1977

AREA 0017 TAHITI IS. AND MOOREA IS
17.1S 151.7W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

	PRECIPITATION TYPE									OTHER WEATHER PHENOMENA					
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
N	10.9	8.6	.0	.0	.0	.0	.0	19.1	7.9	2.7	1.8	.0	.0	.0	.0	69.1
NE	4.6	4.6	1.8	.0	.0	.0	.0	11.0	2.1	3.9	.0	.0	.0	.0	.0	83.0
E	2.9	2.2	.5	.0	.0	.0	.0	5.7	4.9	1.1	.0	.0	.0	.0	.0	88.8
SE	.8	.8	.0	.0	.0	.0	.0	1.7	.4	1.7	.0	.0	.0	.0	.0	96.3
S	.0	14.5	.0	.0	.0	.0	.0	14.5	.0	.0	.0	.0	.0	.0	.0	85.5
SW	7.7	.0	.0	.0	.0	.0	.0	7.7	.0	.0	.0	.0	.0	.0	.0	92.3
W	21.6	.0	.0	.0	.0	.0	.0	21.6	7.8	7.8	.0	.0	.0	.0	.0	62.7
NW	10.3	.0	5.1	.0	.0	.0	.0	10.3	5.1	.0	2.6	.0	.0	.0	.0	82.1
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	6.3	.0	.0	.0	.0	6.3	.0	6.3	.0	.0	.0	.0	.0	87.5
TOT PCT	4.2	3.1	1.1	.0	.0	.0	.0	8.2	3.3	2.6	.2	.0	.0	.0	.0	86.1
TOT OBS:	452															

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

	PRECIPITATION TYPE									OTHER WEATHER PHENOMENA					
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
00&03	.0	2.4	2.4	.0	.0	.0	.0	4.8	6.0	.0	.0	.0	.0	.0	.0	89.2
06&09	6.0	3.6	.6	.0	.0	.0	.0	9.6	1.8	1.8	.6	.0	.0	.0	.0	86.1
12&15	4.4	4.4	.0	.0	.0	.0	.0	8.8	6.6	6.6	.0	.0	.0	.0	.0	78.0
18&21	3.8	2.3	1.5	.0	.0	.0	.0	7.6	.8	.8	.0	.0	.0	.0	.0	90.8
TOT PCT	4.0	3.2	1.1	.0	.0	.0	.0	8.1	3.2	2.1	.2	.0	.0	.0	.0	86.4
TOT OBS:	471															

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	WIND SPEED (KNOTS)									HOUR (GMT)							
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	1.0	2.5	1.8	.5	.2	.0		6.0	10.6	7.8	.0	4.4	25.0	6.2	15.0	6.3	.0
NE	2.8	14.1	7.1	.1	.0	.0		24.0	8.5	20.3	9.6	22.9	17.9	24.7	45.0	28.8	.0
E	4.5	26.1	10.3	.6	.0	.0		41.5	8.8	43.6	46.2	43.9	14.3	40.6	20.0	39.2	62.5
SE	.8	8.4	4.0	.2	.0	.0		13.4	9.5	15.9	13.5	13.7	42.9	14.4	.0	10.0	12.5
S	1.5	1.8	.2	.0	.0	.0		3.5	5.1	3.0	15.4	3.8	.0	1.2	.0	3.5	18.8
SW	.4	.6	.0	.1	.0	.0		1.0	5.1	1.7	.0	.6	.0	.0	.0	1.9	6.3
W	.6	1.5	.2	.4	.0	.0		2.7	9.4	1.0	.0	3.2	.0	7.1	.0	.6	.0
NW	.9	2.3	.6	.1	.4	.0		4.3	10.0	5.4	7.7	3.8	.0	1.2	20.0	5.8	.0
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	3.5							3.5	.0	1.4	7.7	3.7	.0	4.7	.0	3.8	.0
TOT OBS	77	276	116	9	3	0	481		8.5	74	13	163	7	85	5	130	4
TOT PCT	16.0	57.4	24.1	1.9	.6	.0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

	WIND SPEED (KNOTS)								HOUR (GMT)			
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	06 09	12 15	18 21
N	2.4	2.9	.4	.4	.0		6.0	10.6	6.6	5.3	6.7	6.2
NE	10.2	12.4	1.4	.0	.0		24.0	8.5	18.7	22.6	25.8	28.0
E	14.9	23.7	2.7	.2	.0		41.5	8.8	44.0	42.6	39.4	39.9
SE	3.9	8.8	.7	.0	.0		13.4	9.5	15.5	14.9	13.6	10.1
S	2.5	.9	.0	.0	.0		3.5	5.1	4.9	3.7	1.1	3.9
SW	.9	.1	.1	.0	.0		1.0	5.1	1.4	.6	.0	2.1
W	1.1	1.1	.4	.0	.0		2.7	9.4	.9	3.1	6.7	.6
NW	2.3	1.3	.2	.5	.0		4.3	10.0	5.7	3.7	2.2	5.6
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	3.5						3.5	.0	2.3	3.5	4.4	3.7
TOT OBS	202	246	28	5	0	481		8.5	87	170	90	134
TOT PCT	42.0	51.1	5.8	1.0	.0		100.0		100.0	100.0	100.0	100.0

MARCH

PERIOD: (PRIMARY) 1942-1977
(OVER-ALL) 1887-1977

AREA 0017 TAHITI IS. AND MOOREA IS
17.1S 151.7W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
				WIND SPEED (KNOTS)						
00&03	2.3	2.3	56.3	34.5	2.3	2.3	.0	10.5	100.0	87
06&09	3.5	18.8	60.0	14.7	2.4	.6	.0	7.4	100.0	170
12&15	4.4	2.2	54.4	37.8	1.1	.0	.0	10.1	100.0	90
18&21	3.7	17.9	56.7	20.1	1.5	.0	.0	7.6	100.0	134
TOT	17	60	276	116	9	3	0	8.5		481
PCT	3.5	12.5	57.4	24.1	1.9	.6	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	1.3	1.2	2.5	2.1		5.4
NE	5.4	3.9	7.7	3.1		4.4
E	13.5	13.6	12.8	1.8		3.7
SE	5.8	5.9	3.9	.8		3.5
S	.0	1.1	1.4	.6		5.5
SW	.4	.2	.1	.1		3.7
W	.0	.6	1.5	1.8		6.5
NW	.4	.8	1.3	.9		5.3
VAR	.0	.0	.0	.0		.0
CALM	1.6	1.2	.4	.4		3.2
TOT OBS	73	73	81	30	257	4.1
TOT PCT	28.4	28.4	31.5	11.7	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT,NH >4/8) AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	TOTAL OBS
N	.0	.4	.4	.4	1.8	.0	.0	.0	.0	.0	4.2	
NE	.0	.0	.8	1.4	2.1	.6	.4	.0	.0	.0	14.9	
E	.0	.0	.0	1.8	2.1	.9	.0	.0	.0	.0	37.0	
SE	.0	.1	.4	.3	.5	.5	.0	.0	.0	.0	14.7	
S	.0	.3	.0	.0	.7	.0	.4	.0	.0	.0	1.7	
SW	.1	.0	.0	.0	.1	.0	.0	.0	.0	.0	.6	
W	.7	.0	.8	.4	1.5	.0	.0	.0	.0	.0	.6	
NW	.0	.0	.0	.0	1.8	.0	.4	.0	.0	.0	1.2	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.0	.4	.0	.0	.0	.0	.0	.0	.0	3.1	
TOT OBS	2	2	7	11	27	5	3	0	0	0	200	257
TOT PCT	.8	.8	2.7	4.3	10.5	1.9	1.2	.0	.0	.0	77.8	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) = OR >10	= OR >5	= OR >2	= OR >1	= OR >1/2	= OR >1/4	= OR >5GYD	= OR >0
= OR >6500	.0	.0	.0	.0	.0	.0	.0	.0
= OR >5000	.0	.0	.0	.0	.0	.0	.0	.0
= OR >3500	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
= OR >2000	2.3	3.1	3.1	3.1	3.1	3.1	3.1	3.1
= OR >1000	8.8	13.4	13.4	13.7	13.7	13.7	13.7	13.7
= OR >600	10.7	17.2	17.6	17.9	17.9	17.9	17.9	17.9
= OR >300	12.2	19.1	19.8	20.2	20.2	20.6	20.6	20.6
= OR >150	13.0	19.8	20.6	21.0	21.0	21.4	21.4	21.4
= OR > 0	13.0	20.2	21.0	21.8	21.8	22.1	22.1	22.1
TOTAL	34	53	55	57	57	58	58	58

TOTAL NUMBER OF OBS: 262

PCT FREQ NH <5/8: 77.9

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8 OBSCD	TOTAL OBS
3.2	17.9	24.4	22.2	9.0	7.2	6.5	1.4	7.5	.7	279

MARCH

PERIOD: (PRIMARY) 1942-1977
(OVER-ALL) 1887-1977

AREA 0017 TAHITI IS. AND MOOREA IS
17.1S 151.7W

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	PCP	.0	.0	.0	.0	.0	.1	.2	.0	.0	.0	.2	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0	.2	
	TOT %	.0	.0	.0	.0	.0	.1	.2	.2	.0	.0	.4	
2<5	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.4	.2	.0	.0	.0	.0	.0	.0	.0	.0	.7	
	TOT %	.4	.2	.0	.0	.0	.0	.0	.0	.0	.0	.7	
5<10	PCP	.5	1.9	1.2	.2	.4	.0	.4	.2	.0	.0	4.9	
	NO PCP	.9	2.8	1.9	.7	.0	.0	.2	1.1	.0	.2	7.7	
	TOT %	1.4	4.7	3.0	.8	.4	.0	.7	1.3	.0	.2	12.6	
10+	PCP	.7	.7	1.2	.1	.0	.0	.0	.2	.0	.2	3.1	
	NO PCP	3.5	18.5	37.8	12.4	2.6	.7	2.0	2.6	.0	3.1	83.2	
	TOT %	4.2	19.2	39.0	12.5	2.6	.7	2.0	2.8	.0	3.3	86.3	
	TOT OBS												452
	TOT PCT	6.1	24.1	42.0	13.3	3.0	.7	2.8	4.3	.0	3.5	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.2	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.2	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.2	.0		.2	
	22+	.0	.0	.0	.0	.0	.1	.2	.0	.0		.2	
	TOT %	.0	.0	.0	.0	.0	.1	.2	.2	.0	.0	.4	
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.2	.2	.0	.0	.0	.0	.0	.0	.0		.4	
	22+	.2	.0	.0	.0	.0	.0	.0	.0	.0		.2	
	TOT %	.4	.2	.0	.0	.0	.0	.0	.0	.0	.0	.7	
5<10	0-3	.1	.2	.4	.2	.2	.0	.0	.0	.0	.2	1.3	
	4-10	.4	2.4	2.0	.3	.2	.0	.2	.8	.0		6.4	
	11-21	.7	2.1	.4	.3	.0	.0	.2	.2	.0		4.0	
	22+	.2	.0	.2	.0	.0	.0	.2	.3	.0		.9	
	TOT %	1.4	4.7	3.0	.8	.4	.0	.7	1.3	.0	.2	12.6	
10+	0-3	1.0	2.5	4.2	.6	1.0	.1	.6	1.0	.0	3.3	14.3	
	4-10	2.0	11.6	24.0	8.0	1.4	.6	1.4	1.4	.0		50.4	
	11-21	.8	5.1	10.2	3.6	.2	.0	.0	.2	.0		20.0	
	22+	.4	.1	.4	.2	.0	.0	.0	.2	.0		1.3	
	TOT %	4.2	19.3	38.8	12.4	2.6	.7	2.0	2.8	.0	3.3	86.1	
	TOT OBS												454
	TOT PCT	6.1	24.2	41.9	13.3	3.6	.7	2.8	4.3	.0	3.7	100.0	

PERIOD: (PRIMARY) 1942-1977
(OVER-ALL) 1887-1977

AREA 0017 TAHITI IS. AND MOOREA IS
17.1S 151.7W

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET,NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00&03	.0	.0	2.5	3.8	13.8	2.5	3.8	.0	.0	.0	26.3	73.8	80
06&09	.0	1.4	1.4	7.1	4.3	.0	.0	.0	.0	.0	14.3	85.7	70
12&15	1.2	.0	2.4	3.7	11.0	1.2	.0	.0	.0	.0	19.5	80.5	82
18&21	2.5	2.5	5.0	.0	12.5	5.0	.0	.0	.0	.0	27.5	72.5	40
TOT	2	2	7	11	28	5	3	0	0	0	58	214	272
PCT	.7	.7	2.6	4.0	10.3	1.8	1.1	.0	.0	.0	21.3	78.7	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00&03	1.2	.0	1.2	2.4	9.5	85.7	84
06&09	.0	.0	.0	.0	14.4	85.6	167
12&15	.0	.0	.0	1.1	17.6	81.3	91
18&21	.0	.0	.8	.0	8.4	90.8	131
TOT	1	0	2	3	59	408	473
PCT	.2	.0	.4	.6	12.5	86.3	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET,NH >4/8),BY HOUR

HOUR (GMT)	<150 <50YD	<600 <1	<1000 <3	1000+ AND5+	NH <5/8 AND 5+	TOTAL OBS
00&03	.0	2.5	7.5	18.8	73.8	80
06&09	.0	3.0	10.4	4.5	85.1	67
12&15	1.3	3.9	7.8	13.0	79.2	77
18&21	2.6	10.5	10.5	18.4	71.1	38
TOT	2	11	23	35	204	262
PCT	.8	4.2	8.8	13.4	77.9	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
90/94	.0	.0	.0	.0	1.2	.5	.5	.5	11	2.5
85/89	.0	.0	.0	.2	2.8	6.2	3.0	5.5	77	17.8
80/84	.0	.0	.0	.0	2.8	28.4	16.2	20.1	292	67.4
75/79	.0	.0	.0	.0	.0	1.6	6.0	3.9	50	11.5
70/74	.0	.0	.0	.0	.0	.0	.0	.7	3	.7
TOTAL	0	0	0	1	29	159	111	133	433	100.0
PCT	.0	.0	.0	.2	6.7	36.7	25.6	30.7		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
.0	.5	1.5	.3	.0	.0	.0	.0	.0	.2
.4	5.0	8.7	1.9	.0	.3	.3	1.0	.0	.2
3.6	16.1	28.9	10.2	1.8	.6	1.0	2.0	.0	3.2
1.9	2.4	3.3	.2	.8	.1	1.6	1.2	.0	.0
.2	.0	.5	.0	.0	.0	.0	.0	.0	.0
6.1	24.0	42.8	12.6	2.7	1.0	2.9	4.2	.0	3.7

TABLE 15

MEANS,EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00&03	95	93	88	84	77	73	73	83.7	87
06&09	94	93	89	82	78	76	76	82.9	178
12&15	84	83	83	81	77	73	73	80.5	91
18&21	88	87	87	82	78	76	75	81.9	145
TOT	95	92	87	82	77	75	73	82.3	501

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00&03	.0	1.2	22.2	53.1	14.8	8.6	75	81
06&09	.0	.0	3.8	30.2	25.8	40.3	86	159
12&15	.0	.0	2.3	45.5	42.0	10.2	81	88
18&21	.0	.0	2.4	24.4	20.3	52.8	88	123
TOT	0	1	29	161	115	145	84	451

MARCH

PERIOD: (PRIMARY) 1942-1977
(OVER-ALL) 1887-1977

TABLE 17

AREA 0017 TAHITI IS. AND MOOREA IS
17.1S 151.7W

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	73 76	77 80	81 84	85 88	89 92	>92	TOT	W FOG	WO FOG
9/10	.0	.0	.0	.0	.0	.3	1	.0	.3
7/8	.0	.0	.0	.3	.0	.3	2	.0	.6
6	.0	.0	.0	.0	.3	.3	2	.0	.6
5	.0	.3	.0	.0	.0	.0	1	.0	.3
4	.0	.0	.0	.3	.3	.0	2	.0	.6
3	.0	.6	.3	1.3	.0	.0	7	.0	2.2
2	.0	.0	2.6	3.2	.0	.0	18	.0	5.8
1	.0	.0	6.4	2.6	.0	.0	28	.3	8.6
0	.0	2.2	11.8	1.0	.0	.0	47	.0	15.0
-1	.0	1.9	17.6	1.0	.0	.0	64	.0	20.4
-2	.0	4.8	9.9	.3	.0	.0	47	.0	15.0
-3	.6	3.5	8.6	.3	.0	.0	41	.0	13.1
-4	.0	4.2	2.9	.0	.0	.0	22	.0	7.0
-5	.0	2.9	.6	.3	.0	.0	12	.0	3.8
-6	.6	1.3	.3	.0	.0	.0	7	.0	2.2
-7/-8	1.0	1.6	.0	.0	.0	.0	8	.0	2.6
-9/-10	1.0	.0	.0	.0	.0	.0	3	.0	1.0
-11/-13	.0	.0	.3	.0	.0	.0	1	.0	.3
TOTAL	10	73	192	33	2	3	313	1	312
PCT	3.2	23.3	61.3	10.5	.6	1.0	100.0	.3	99.7

PERIOD: (OVER-ALL) 1963-1977

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.4	.3	.0	.0	.0	.0	.7
1-2	.0	1.6	2.2	.0	.0	.0	3.8
3-4	.0	.0	.4	.3	.0	.0	.7
5-6	.0	.0	.0	.4	.0	.0	.4
7	.0	.0	.0	.3	.0	.0	.3
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.4	.0	.4
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.4	1.9	2.7	1.1	.4	.0	6.5

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	2.7	.4	.0	.0	.0	3.1
1-2	.0	6.5	2.5	.0	.0	.0	9.0
3-4	.0	1.5	3.6	.0	.0	.0	5.1
5-6	.0	.0	2.9	.0	.0	.0	2.9
7	.0	.0	.4	.1	.0	.0	.5
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	10.7	9.8	.1	.0	.0	20.6

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.4	4.9	.4	.0	.0	.0	5.8
1-2	.0	15.8	4.4	.0	.0	.0	20.2
3-4	.0	5.9	5.9	.4	.0	.0	12.2
5-6	.0	.9	5.0	.9	.0	.0	6.7
7	.0	.0	.4	.0	.0	.0	.4
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.4	27.5	16.1	1.3	.0	.0	45.3

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	1.5	.4	.0	.0	.0	1.9
1-2	.0	7.5	1.6	.0	.0	.0	9.1
3-4	.0	.7	2.9	.4	.0	.0	4.1
5-6	.0	.4	1.6	.0	.0	.0	2.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.1	.0	.0	.0	.0	.1
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	10.3	6.5	.4	.0	.0	17.2

PERIOD: (OVER-ALL) 1963-1977

MARCH

TABLE 18 (CONT)

AREA 0017 TAHITI IS. AND MOOREA IS
17.1S 151.7W

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

	S							SW						
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	1.2	.0	.0	.0	.0	1.2	.0	.1	.0	.0	.0	.0	.1
1-2	.0	1.1	.0	.0	.0	.0	1.1	.0	.1	.0	.0	.0	.0	.1
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.1
5-6	.0	.0	.3	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.3	.0	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	2.6	.3	.0	.0	.0	2.9	.0	.2	.0	.1	.0	.0	.3

	W							NW							TOTAL
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	PCT
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1-2	.0	1.6	.0	.0	.0	.0	1.6	.0	.4	.0	.0	.0	.0	.4	
3-4	.0	.0	.0	.3	.0	.0	.3	.0	.0	.0	.1	.0	.0	.1	
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.4	.4	.0	.0	.0	.9	
7	.0	.0	.0	.4	.0	.0	.4	.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.0	1.6	.0	.7	.0	.0	2.4	.0	.9	.4	.1	.0	.0	1.4	96.6

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	4.7	10.6	1.3	.0	.0	.0	16.6	
1-2	.0	34.5	10.6	.0	.0	.0	45.1	
3-4	.0	8.1	12.8	1.7	.0	.0	22.6	
5-6	.0	1.7	10.2	1.3	.0	.0	13.2	
7	.0	.0	.9	.9	.0	.0	1.7	
8-9	.0	.4	.0	.0	.0	.0	.4	
10-11	.0	.0	.0	.0	.4	.0	.4	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
								235
TOT PCT	4.7	55.3	35.7	3.8	.4	.0	100.0	

PERIOD: (OVER-ALL) 1955-1977

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	2.4	17.3	14.5	9.8	2.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	117	3
6-7	.0	.4	5.9	6.3	2.4	.4	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	40	5
8-9	.0	.8	4.3	6.7	3.5	1.2	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	44	5
10-11	.0	.4	.4	1.2	3.1	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	16	6
12-13	.0	.0	1.2	.0	.8	.8	.8	.4	.0	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	11	8
>13	.0	.0	.0	.0	.4	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3	8
INDET	1.6	1.2	2.4	2.4	1.2	.4	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	24	4
TOTAL	10	51	73	67	34	12	6	1	0	0	1	0	0	0	0	0	0	0	0	255	4
PCT	3.9	20.0	28.6	26.3	13.3	4.7	2.4	.4	.0	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

APRIL

PERIOD: (PRIMARY) 1942-1977
(OVER-ALL) 1896-1977

AREA 0017 TAHITI IS. AND MOOREA IS
17.1S 151.8W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

	PRECIPITATION TYPE									OTHER WEATHER PHENOMENA					
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
N	7.8	13.7	.0	.0	.0	.0	.0	21.6	.0	.0	.0	.0	.0	.0		78.4
NE	4.5	2.8	.0	.0	.0	.0	.0	7.3	.0	.0	.0	.0	.0		2.3	90.4
E	2.1	2.1	.0	.0	.0	.0	.0	4.2	1.6	2.0	.0	.0	.0	.0		92.3
SE	1.4	2.8	.0	.0	.0	.0	.0	4.2	1.4	.3	1.4	.0	.0	.0		92.7
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	10.0	.0	.0	.0		90.0
SW	16.7	.0	.0	.0	.0	.0	.0	16.7	.0	.0	.0	.0	.0	.0		83.3
W	.0	14.0	.0	.0	.0	.0	.0	14.0	16.0	.0	.0	.0	.0	.0		70.0
NW	11.1	13.9	.0	.0	.0	.0	.0	25.0	.0	.0	.0	.0	.0	.0		75.0
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	5.7	13.3	.0	.0	.0	.0		80.0
TOT PCT	2.7	3.2	.0	.0	.0	.0	.0	5.9	1.9	1.6	.5	.0	.0	.3		89.8
TOT OBS:	373															

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

	PRECIPITATION TYPE									OTHER WEATHER PHENOMENA					
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
00&03	4.1	1.4	.0	.0	.0	.0	.0	5.5	2.7	.0	.0	.0	.0		.0	91.8
06&09	.8	4.1	.0	.0	.0	.0	.0	4.9	.8	3.3	.8	.0	.0		.0	90.2
12&15	3.2	2.1	.0	.0	.0	.0	.0	5.3	2.1	3.2	.0	.0	.0		1.1	88.4
18&21	4.1	4.1	.0	.0	.0	.0	.0	8.2	2.1	.0	1.0	.0	.0		.0	88.7
TOT PCT	2.8	3.1	.0	.0	.0	.0	.0	5.9	1.8	1.8	.5	.0	.0		.3	89.7
TOT OBS:	387															

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	WIND SPEED (KNOTS)								HOUR (GMT)							
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	.2	1.6	2.2	.0	.0	.0		4.0	11.6	6.9	.0	2.1	.0	8.3	.0	2.0	.0
NE	.3	8.1	2.7	.2	.0	.2		11.6	10.5	10.8	10.0	10.2	2.5	12.1	.0	13.5	45.0
E	4.2	22.5	21.6	1.2	.0	.0		49.5	10.2	51.5	37.5	51.1	57.5	45.4	67.9	48.8	55.0
SE	.5	11.9	7.3	.6	.0	.0		20.3	10.6	16.2	35.0	18.6	32.5	18.4	3.6	26.0	.0
S	.5	2.2	.5	.0	.0	.0		3.2	7.1	.0	7.5	4.4	7.5	3.4	.0	3.0	.0
SW	.1	1.4	.0	.0	.0	.0		1.5	7.9	1.9	10.0	1.1	.0	1.7	14.3	.3	.0
W	.2	1.4	1.8	.0	.0	.0		3.4	10.6	5.8	.0	6.1	.0	1.1	.0	1.3	.0
NW	.0	1.7	.9	.0	.0	.0		2.6	9.6	4.2	.0	2.1	.0	2.6	14.3	2.0	.0
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	4.0							4.0	.0	9.1	.0	4.2	.0	6.9	.0	3.0	.0
TOT OBS	40	204	149	8	0	1	402		9.9	65	10	118	10	87	7	100	5
TOT PCT	10.0	50.7	37.1	2.0	.0	.2		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

	WIND SPEED (KNOTS)								HOUR (GMT)			
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	06 09	12 15	18 21
N	.6	2.4	1.0	.0	.0		4.0	11.6	6.0	2.0	7.7	1.9
NE	3.5	7.3	.3	.2	.2		11.6	10.5	10.7	9.6	11.2	15.0
E	14.2	30.2	5.0	.0	.0		49.5	10.2	49.7	51.6	47.1	49.0
SE	4.9	12.5	2.9	.0	.0		20.3	10.6	18.7	19.7	17.3	24.8
S	1.7	1.4	.0	.0	.0		3.2	7.1	1.0	4.7	3.2	2.9
SW	.2	1.2	.0	.0	.0		1.5	7.9	2.7	1.0	2.7	.2
W	1.3	1.3	.7	.0	.0		3.4	10.6	5.0	5.7	1.1	1.4
NW	.3	2.3	.0	.0	.0		2.6	9.6	3.7	2.0	3.5	1.9
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	4.0						4.0	.0	2.7	3.9	6.4	2.9
TOT OBS	124	236	40	1	1	402		9.9	75	128	96	105
TOT PCT	30.8	58.7	10.0	.2	.2		100.0		100.0	100.0	100.0	100.0

APRIL

PERIOD: (PRIMARY) 1942-1977
(OVER-ALL) 1896-1977

AREA 0017 TAHITI IS. AND MOOREA IS
17.1S 151.8W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS) 1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00603	2.7	1.3	50.7	44.0	1.3	.0	.0	10.9	100.0	75
06609	3.9	7.8	52.3	34.4	1.6	.0	.0	9.2	100.0	128
12615	0.4	4.3	50.0	35.1	3.2	.0	1.1	10.4	100.0	94
18621	2.9	8.6	49.5	37.1	1.9	.0	.0	9.3	100.0	105
TOT	16	24	204	149	8	0	1	9.9		402
PCT	4.0	6.0	50.7	37.1	2.0	.0	.2		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	1.0	1.0	2.2	.4		4.8
NE	2.4	4.2	2.3	1.7		4.1
E	12.6	16.6	15.4	2.9		3.9
SE	5.1	6.8	7.2	1.4		4.0
S	.8	1.0	.4	.0		3.3
SW	.4	.5	.9	.0		3.8
W	1.0	.6	1.9	.4		4.5
NW	.7	1.3	.9	.4		4.1
VAR	.0	.0	.0	.0		.0
CALM	2.4	.4	2.8	.0		3.9
TOT OBS	66	81	85	18	250	4.0
TOT PCT	26.4	32.4	34.0	7.2	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT,NH >4/8) AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

WND DIR	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	TOTAL OBS
N	.0	.0	.0	.4	.7	.0	.0	.0	.0	.0	3.5	
NE	.0	.0	.0	.5	.8	.4	.4	.0	.0	.0	8.5	
E	.0	.3	.0	1.5	3.7	1.3	.0	.0	.0	.0	40.7	
SE	.0	.1	.0	1.2	3.1	.3	.4	.0	.0	.0	15.4	
S	.0	.0	.0	.0	.4	.0	.0	.0	.0	.0	1.8	
SW	.0	.0	.0	.0	.4	.0	.0	.0	.0	.0	1.4	
W	.0	.0	.0	.4	.4	.0	.0	.0	.0	.0	3.1	
NW	.0	.0	.0	.4	.1	.0	.0	.0	.4	.0	2.4	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.0	.0	.4	.0	.4	.0	.0	.4	.0	4.4	
TOT OBS	0	1	0	12	24	6	2	0	2	0	203	250
TOT PCT	.0	.4	.0	4.8	9.6	2.4	.8	.0	.8	.0	81.2	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) * OR >10	* OR >5	* OR >2	* OR >1	* OR >1/2	* OR >1/4	* OR >50YD	* OR >0
* OR >6500	.4	.8	.8	.8	.8	.8	.8	.8
* OR >5000	.4	.8	.8	.8	.8	.8	.8	.8
* OR >3500	1.2	1.6	1.6	1.6	1.6	1.6	1.6	1.6
* OR >2000	3.1	3.5	3.9	3.9	3.9	3.9	3.9	3.9
* OR >1000	9.7	11.2	13.2	13.2	13.2	13.2	13.2	13.2
* OR >600	12.0	14.7	17.1	17.4	17.8	17.8	17.8	17.8
* OR >300	12.0	14.7	17.1	17.4	17.8	17.8	17.8	17.8
* OR >150	12.4	15.1	17.4	17.8	18.2	18.2	18.2	18.2
* OR > 0	12.4	15.1	17.4	17.8	18.2	18.2	18.2	18.2
TOTAL	32	39	45	46	47	47	47	47

TOTAL NUMBER OF OBS: 258

PCT FREQ NH <5/8: 81.8

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8 OBSCD	TOTAL OBS
2.9	18.7	25.9	24.1	9.7	10.4	2.5	2.2	3.6	.0	278

APRIL

PERIOD: (PRIMARY) 1942-1977
(OVER-ALL) 1896-1977

AREA 0017 TAHITI IS. AND MOOREA IS
17.15 151.8W

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.3	.0	.0	.3	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.3	.0	.0	.3	
1<2	PCP	.0	.0	.0	.3	.0	.0	.3	.0	.0	.0	.5	
	NO PCP	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.3	
	TOT %	.0	.0	.0	.5	.0	.0	.3	.0	.0	.0	.8	
2<5	PCP	.2	.1	.5	.3	.0	.0	.0	.0	.0	.0	1.1	
	NO PCP	.0	.0	1.5	.1	.0	.5	.0	.0	.0	.0	2.1	
	TOT %	.2	.1	2.0	.4	.0	.5	.0	.0	.0	.0	3.2	
5<10	PCP	.3	.3	.5	.0	.0	.0	.2	.1	.0	.0	1.3	
	NO PCP	.0	1.6	2.6	1.7	.3	.3	.3	.0	.0	.3	7.0	
	TOT %	.3	1.9	3.2	1.7	.3	.3	.5	.1	.0	.3	8.3	
10+	PCP	.3	.5	1.1	.3	.0	.3	.0	.3	.0	.0	2.7	
	NO PCP	2.7	9.4	45.1	16.4	2.4	.5	2.6	1.8	.0	3.8	84.7	
	TOT %	2.9	9.9	40.2	16.7	2.4	.8	2.6	2.1	.0	3.8	87.4	
	TOT OBS												373
	TOT PCT	3.4	11.9	51.3	19.3	2.7	1.6	3.4	2.4	.0	4.0	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.3	.0		.3	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.3	.0	.0	.3	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.3	.0	.0	.0	.0	.0		.3	
	11-21	.0	.0	.0	.0	.0	.0	.3	.0	.0		.3	
	22+	.0	.0	.0	.3	.0	.0	.0	.0	.0		.3	
	TOT %	.0	.0	.0	.5	.0	.0	.3	.0	.0	.0	.8	
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.2	.1	1.0	.3	.0	.5	.0	.0	.0		2.1	
	11-21	.0	.0	.7	.1	.0	.0	.0	.0	.0		.8	
	22+	.0	.0	.3	.0	.0	.0	.0	.0	.0		.3	
	TOT %	.2	.1	2.0	.4	.0	.5	.0	.0	.0	.0	3.2	
5<10	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.3	
	4-10	.0	1.1	1.9	.5	.3	.3	.2	.1	.0		4.3	
	11-21	.3	.3	1.2	.9	.0	.0	.3	.0	.0		2.9	
	22+	.0	.5	.0	.3	.0	.0	.0	.0	.0		.8	
	TOT %	.3	1.9	3.2	1.7	.3	.3	.5	.1	.0	.3	8.3	
10+	0-3	.2	.3	4.6	.5	.5	.1	.2	.0	.0	3.8	10.2	
	4-10	1.3	7.0	19.6	10.1	1.6	.7	1.3	1.2	.0		42.9	
	11-21	1.4	2.6	21.0	6.0	.3	.0	1.1	.9	.0		33.2	
	22+	.0	.0	1.0	.1	.0	.0	.0	.0	.0		1.1	
	TOT %	2.9	9.9	46.2	16.7	2.4	.8	2.6	2.1	.0	3.8	87.4	
	TOT OBS												373
	TOT PCT	3.4	11.9	51.3	19.3	2.7	1.6	3.4	2.4	.0	4.0	100.0	

PERIOD: (PRIMARY) 1942-1977
(OVER-ALL) 1896-1977

AREA 0017 TAHITI IS. AND MOOREA IS
17.1S 151.8W

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00&03	.0	.0	.0	4.3	5.8	2.9	.0	.0	.0	.0	13.0	87.0	69
06&09	.0	.0	.0	2.8	12.7	1.4	1.4	.0	.0	.0	18.3	81.7	71
12&15	.0	.0	.0	2.3	9.2	2.3	1.1	.0	2.3	.0	17.2	82.8	87
18&21	.0	2.2	.0	10.9	6.5	2.2	.0	.0	.0	.0	21.7	78.3	46
TOT	0	1	0	12	24	6	2	0	2	0	47	226	273
PCT	.0	.4	.0	4.4	8.8	2.2	.7	.0	.7	.0	17.2	82.8	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00&03	.0	.0	1.4	.0	5.5	93.2	73
06&09	.0	.0	.8	4.9	6.6	87.7	122
12&15	.0	.0	1.1	6.3	10.5	82.1	95
18&21	.0	1.0	.0	.0	10.3	88.7	97
TOT	0	1	3	12	32	339	387
PCT	.0	.3	.8	3.1	8.3	87.6	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET, NH >4/8), BY HOUR

HOUR (GMT)	<150 <500	<600 <1	<1000 <3	1000+ AND 3+	NH <5/8 AND 5+	TOTAL OBS
00&03	.0	.0	4.5	9.0	86.6	67
06&09	.0	.0	9.2	12.3	78.5	65
12&15	.0	.0	9.5	13.1	77.4	84
18&21	.0	4.8	14.3	9.5	76.2	42
TOT	0	2	23	29	206	258
PCT	.0	.8	8.9	11.2	79.8	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
85/89	.0	.0	.0	.0	3.1	4.2	3.1	.3	38	10.6
80/84	.0	.0	.0	.0	5.0	35.0	31.9	7.5	286	79.4
75/79	.0	.0	.0	.0	.3	1.9	4.2	2.8	33	9.2
70/74	.0	.0	.0	.0	.0	.0	.0	.8	3	.8
TOTAL	0	0	0	0	30	148	141	41	360	100.0
PCT	.0	.0	.0	.0	8.3	41.1	39.2	11.4		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
.0	1.8	7.3	.9	.0	.0	.3	.0	.0	.3
2.6	6.9	42.1	14.7	1.7	1.4	2.2	2.1	.0	3.9
1.6	.8	4.0	.9	.7	.3	.3	.3	.0	.3
.0	.0	.3	.3	.3	.0	.0	.0	.0	.0
4.2	11.5	53.7	16.8	2.6	1.7	2.7	2.4	.0	4.4

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00&03	89	88	87	83	79	74	74	83.2	78
06&09	88	87	86	82	78	77	74	82.0	133
12&15	86	85	83	81	79	74	74	81.1	98
18&21	87	85	84	82	79	74	74	81.7	106
TOT	89	88	86	82	79	74	74	81.9	415

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00&03	.0	.0	22.2	59.7	16.7	1.4	74	72
06&09	.0	.0	4.3	32.8	47.4	15.5	82	116
12&15	.0	.0	5.3	45.7	39.4	9.6	80	94
18&21	.0	.0	4.4	34.4	44.4	16.7	82	90
TOT	0	0	30	155	144	43	80	372

APRIL

PERIOD: (PRIMARY) 1942-1977
(OVER-ALL) 1896-1977

AREA 0017 TAHITI IS. AND MOOREA IS
17.1S 151.8W

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	73 76	77 80	81 84	85 88	89 92	TOT	W FOG	WO FOG
5	.0	.0	.0	.0	.3	1	.0	.3
4	.0	.0	.3	.3	.0	2	.0	.7
3	.0	.3	.0	.7	.0	3	.0	1.0
2	.0	.0	.7	1.7	.0	7	.0	2.4
1	.0	.0	4.8	1.4	.0	18	.0	6.2
0	.0	.7	12.0	1.0	.0	40	.0	13.7
-1	.0	4.5	16.2	.7	.0	62	.3	21.0
-2	.0	5.2	14.1	.3	.0	57	.3	19.2
-3	.0	4.8	8.2	.3	.0	39	.0	13.4
-4	.0	5.2	5.8	.0	.0	32	.0	11.0
-5	.0	2.4	2.4	.0	.0	14	.0	4.8
-6	.0	3.1	.3	.0	.0	10	.0	3.4
-7/-8	.7	.3	.0	.0	.0	3	.0	1.0
-9/-10	.0	.0	.7	.0	.0	2	.0	.7
-11/-13	.3	.0	.0	.0	.0	1	.0	.3
TOTAL	3	77	191	19	1	291	2	289
PCT	1.0	26.5	65.6	6.5	.3	100.0	.7	99.3

PERIOD: (OVER-ALL) 1963-1977

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.8	.0	.0	.0	.0	.8
1-2	.0	1.1	.0	.0	.0	.0	1.1
3-4	.0	.8	.8	.0	.0	.0	1.7
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	1.0	.0	.0	.0	1.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	2.7	1.8	.0	.0	.0	4.5

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.7	.0	.0	.0	.0	.7
1-2	.2	4.8	1.4	.0	.0	.0	6.4
3-4	.0	2.5	1.5	.0	.0	.0	4.0
5-6	.0	.5	.1	.0	.0	.0	.6
7	.0	.0	.3	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.5	.0	.0	.5
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.5	.5
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.2	8.5	3.1	.5	.0	.5	12.7

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.8	.0	.0	.0	.0	.8
1-2	1.2	14.3	11.5	.0	.0	.0	27.0
3-4	.0	2.6	9.4	1.0	.0	.0	13.0
5-6	.0	1.0	5.7	.5	.0	.0	7.1
7	.0	.5	.5	.5	.0	.0	1.4
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.2	19.2	27.1	1.9	.0	.0	49.4

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	2.1	.0	.0	.0	.0	2.1
1-2	.5	5.8	3.2	.0	.0	.0	9.5
3-4	.0	2.1	2.0	.0	.0	.0	4.2
5-6	.0	.5	2.3	.0	.0	.0	2.7
7	.0	.0	.5	.0	.0	.0	.5
8-9	.0	.0	.5	.5	.0	.0	1.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.5	10.6	8.5	.5	.0	.0	20.0

PERIOD: (OVER-ALL) 1963-1977

APRIL

AREA 0017 TAHITI IS. AND MOOREA IS
17.1S 151.8W

TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

S

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.7	.0	.0	.0	.0	.7
1-2	.0	.0	.5	.0	.0	.0	.5
3-4	.0	.5	.0	.0	.0	.0	.5
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	1.2	.5	.0	.0	.0	1.7

SW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	1.5	.0	.0	.0	.0	1.5
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	1.5	.0	.0	.0	.0	1.5

W

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.5	.0	.0	.0	.0	.5
1-2	.0	.8	.0	.0	.0	.0	.8
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.5	.0	.0	.0	.0	.5
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	1.8	.0	.0	.0	.0	1.8

NW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	.0	.0	.0	.0	.0	.0	.0	
1-2	.0	.7	.0	.0	.0	.0	.7	
3-4	.0	.5	.5	.0	.0	.0	1.0	
5-6	.0	.0	.0	.0	.0	.0	.0	
7	.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.0	1.2	.5	.0	.0	.0	1.7	93.3

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	7.4	6.5	.0	.0	.0	.0	13.9	
1-2	1.9	28.7	16.2	.0	.0	.0	46.8	
3-4	.0	8.8	13.9	.9	.0	.0	23.6	
5-6	.5	2.3	7.9	.5	.0	.0	11.1	
7	.0	.5	1.9	.5	.0	.0	2.8	
8-9	.0	.0	.5	.5	.0	.0	.9	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.5	.0	.0	.5	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.5	.5	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
								216
TOT PCT	9.7	46.8	40.3	2.8	.0	.5	100.0	

PERIOD: (OVER-ALL) 1949-1977

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	1.2	11.4	9.4	5.9	.8	1.2	.0	.0	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	77	3
6-7	.0	3.9	9.1	9.1	5.9	2.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	78	5
8-9	.0	.8	4.7	3.1	2.8	1.6	1.2	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	37	6
10-11	.0	.4	2.8	1.6	.0	.0	.8	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	15	5
12-13	.0	.0	2.8	.4	1.2	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	12	5
>13	.0	.0	.0	.4	.4	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3	7
INDET	1.6	1.6	2.0	4.3	1.6	.8	.0	.0	.4	.0	.0	.4	.0	.0	.0	.0	.0	.0	.0	32	5
TOTAL	7	46	78	63	32	16	7	1	2	1	0	1	0	0	0	0	0	0	0	254	4
PCT	2.8	18.1	30.7	24.8	12.6	6.3	2.8	.4	.8	.4	.0	.4	.0	.0	.0	.0	.0	.0	.0	100.0	

MAY

PERIOD: (PRIMARY) 1952-1977
(OVER-ALL) 1907-1977

AREA 0017 TAHITI IS. AND MOOREA IS
17.1S 151.4W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
N	4.6	.0	4.6	.0	.0	.0	.0	9.2	4.6	.0	.0	.0	.0	.0	.0	86.2
NE	1.6	3.1	.0	.0	.0	.0	.0	4.7	1.6	4.7	.0	.0	.0	.0	.0	89.1
E	.0	.8	.0	.0	.0	.0	.0	.8	1.3	.8	.4	.0	.0	.0	.0	96.7
SE	2.0	1.0	.0	.0	.0	.0	.0	3.0	3.3	.0	1.5	.0	.0	.0	.0	92.1
S	2.2	6.0	.0	.0	.0	.0	.0	8.2	.0	2.2	3.0	.0	.0	.0	.0	86.6
SW	1.1	6.9	4.6	.0	.0	.0	.0	12.6	10.3	1.1	.0	.0	.0	.0	.0	75.9
W	.0	3.8	.0	.0	.0	.0	.0	3.8	5.7	.0	.0	.0	.0	.0	.0	90.6
NW	.0	4.9	4.9	.0	.0	.0	.0	9.8	.0	.0	.0	.0	.0	.0	.0	90.2
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
TOT PCT	1.2	2.2	.7	.0	.0	.0	.0	4.1	2.4	1.2	.7	.0	.0	.0	.0	91.6
TOT OBS:	415															

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
00603	1.3	1.3	1.3	.0	.0	.0	.0	3.9	6.5	.0	.0	.0	.0	.0	.0	89.6
06609	1.5	1.5	.7	.0	.0	.0	.0	3.6	1.5	1.5	2.2	.0	.0	.0	.0	91.2
12615	.9	4.5	.0	.0	.0	.0	.0	5.5	.9	2.7	.0	.0	.0	.0	.0	90.9
18621	1.9	1.9	1.0	.0	.0	.0	.0	4.9	1.9	.0	.0	.0	.0	.0	.0	93.2
TOT PCT	1.4	2.3	.7	.0	.0	.0	.0	4.4	2.3	1.2	.7	.0	.0	.0	.0	91.3
TOT OBS:	427															

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	WIND SPEED (KNOTS)									HOUR (GMT)							
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	.5	3.5	1.0	.0	.0	.0		5.1	8.6	12.1	.0	4.0	.0	5.7	.0	3.3	7.1
NE	1.6	8.5	4.8	.1	.0	.0		14.9	8.6	14.1	6.7	14.7	6.7	16.3	6.7	19.5	8.9
E	3.8	14.6	11.5	.6	.2	.0		30.8	9.9	28.6	31.7	30.0	18.3	21.5	33.3	42.0	44.6
SE	2.5	10.9	10.5	.5	.0	.0		24.4	10.4	28.6	41.7	21.4	31.7	25.8	40.0	18.4	19.6
S	.2	4.2	4.0	.0	.0	.0		8.4	10.9	3.2	.0	7.3	26.7	12.8	11.7	6.3	12.5
SW	1.3	2.7	1.1	.0	.0	.0		5.2	6.8	5.2	13.3	7.1	5.0	3.5	1.7	4.1	.0
W	1.5	1.7	.2	.0	.0	.0		3.4	4.2	4.0	6.7	4.0	11.7	3.0	.0	.8	7.1
NW	.5	2.6	2.0	.0	.0	.0		5.0	9.6	2.4	.0	6.7	.0	8.2	6.7	3.3	.0
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	2.8							2.8	.0	1.6	.0	4.8	.0	3.3	.0	2.2	.0
TOT OBS	63	210	151	5	1	0	430		9.2	62	15	126	15	92	15	91	14
TOT PCT	14.7	48.8	35.1	1.2	.2	.0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

	WIND SPEED (KNOTS)								HOUR (GMT)			
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	06 09	12 15	18 21
N	1.3	3.7	.0	.0	.0		5.1	8.6	9.7	3.5	4.9	3.8
NE	5.2	9.4	.3	.0	.0		14.9	8.6	12.7	13.8	15.0	18.1
E	10.2	16.7	3.6	.2	.0		30.8	9.9	29.2	28.7	23.1	42.4
SE	5.0	16.7	2.5	.2	.0		24.4	10.4	31.2	22.5	27.8	18.6
S	1.6	5.8	1.0	.0	.0		8.4	10.9	2.6	9.4	12.6	7.1
SW	3.5	1.6	.0	.0	.0		5.2	6.8	6.8	6.9	3.3	3.6
W	3.0	.4	.0	.0	.0		3.4	4.2	4.5	4.8	2.6	1.7
NW	2.2	2.2	.7	.0	.0		5.0	9.6	1.9	6.0	7.9	2.9
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	2.8						2.8	.0	1.3	4.3	2.8	1.9
TOT OBS	150	243	35	2	0	430		9.2	77	141	107	105
TOT PCT	34.9	56.5	8.1	.5	.0		100.0		100.0	100.0	100.0	100.0

MAY

PERIOD: (PRIMARY) 1952-1977
(OVER-ALL) 1907-1977

AREA 0017 TAHITI IS. AND MOOREA IS
17.1S 151.4W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS) 1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00&03	1.3	6.5	44.2	46.8	1.3	.0	.0	10.5	100.0	77
06&09	4.3	12.8	52.5	30.5	.0	.0	.0	8.5	100.0	141
12&15	2.8	10.3	44.9	38.3	2.8	.9	.0	9.8	100.0	107
18&21	1.9	16.2	51.4	29.5	1.0	.0	.0	8.7	100.0	105
TOT	12	51	210	191	5	1	0	9.2		430
PCT	2.8	11.9	48.8	35.1	1.2	.2	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	2.2	1.3	2.1	.3		4.0
NE	4.5	5.6	2.8	1.3		3.8
E	13.6	9.3	5.5	1.2		3.1
SE	8.6	11.3	5.9	.3		3.3
S	2.8	1.9	3.8	.6		4.3
SW	1.5	.8	.8	2.0		5.0
W	1.7	.6	1.2	.0		3.3
NW	1.0	.5	1.7	.3		4.3
VAR	.0	.0	.0	.0		.0
CALM	1.9	.9	.0	.0		1.4
TOT OBS	120	102	75	19	316	3.5
TOT PCT	38.0	32.3	23.7	6.0	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT,NH >4/8) AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

WND DIR	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	TOTAL OBS
N	.0	.0	.0	.3	.3	.0	.0	.0	.0	.0	5.4	
NE	.0	.0	.1	.7	.9	.4	.3	.0	.0	.0	11.8	
E	.0	.0	.2	.9	.8	2.3	.0	.3	.0	.0	25.6	
SE	.0	.0	.0	.3	3.0	1.3	.0	.3	.0	.0	21.2	
S	.3	.0	.0	.9	.3	1.0	.6	.0	.0	.0	5.9	
SW	.0	.0	.3	.7	.9	.4	.0	.0	.0	.0	2.7	
W	.0	.0	.0	.0	.0	.3	.0	.0	.0	.0	3.2	
NW	.0	.0	.0	.0	.6	.0	.3	.0	.0	.0	2.6	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.8	
TOT OBS	1	0	2	10	22	18	4	2	0	0	257	316
TOT PCT	.3	.0	.6	3.2	7.0	5.7	1.3	.6	.0	.0	81.3	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) * OR >10	* OR >5	* OR >2	* OR >1	* OR >1/2	* OR >1/4	* OR >50YD	* OR >0
* OR >6500	.0	.0	.0	.0	.0	.0	.0	.0
* OR >5000	.6	.6	.6	.6	.6	.6	.6	.6
* OR >3500	1.5	1.8	1.8	1.8	1.8	1.8	1.8	1.8
* OR >2000	4.6	7.4	7.4	7.4	7.4	7.4	7.4	7.4
* OR >1000	9.2	13.5	14.2	14.5	14.5	14.5	14.5	14.5
* OR >600	11.4	16.6	17.5	17.8	17.8	17.8	17.8	17.8
* OR >300	12.0	17.5	18.5	18.8	18.8	18.8	18.8	18.8
* OR >150	12.0	17.5	18.5	18.8	18.8	18.8	18.8	18.8
* OR > 0	12.0	17.8	18.8	19.1	19.1	19.1	19.1	19.1
TOTAL	39	58	61	62	62	62	62	62

TOTAL NUMBER OF OBS: 325

PCT FREQ NH <5/8: 80.9

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8 OBSCD	TOTAL OBS
3.3	20.7	23.7	21.3	12.0	6.3	5.4	2.1	5.1	.3	334

PERIOD: (PRIMARY) 1952-1977
(OVER-ALL) 1907-1977

AREA 0017 TAHITI IS. AND MOOREA IS
17.1S 151.4W

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.2	
	TOT %	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.2	
2<5	PCP	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0	.2	
	NO PCP	.2	.0	.2	.1	.4	.2	.0	.1	.0	.0	1.2	
	TOT %	.2	.0	.2	.1	.4	.2	.0	.3	.0	.0	1.4	
5<10	PCP	.2	.2	.0	.5	.7	.2	.1	.0	.0	.0	1.9	
	NO PCP	.8	1.4	2.0	2.7	2.6	1.2	1.6	.8	.0	.2	13.5	
	TOT %	1.1	1.7	2.0	3.2	3.3	1.4	1.7	.8	.0	.2	15.4	
10+	PCP	.2	.5	.2	.2	.0	.5	.0	.2	.0	.0	1.9	
	NO PCP	3.7	13.3	28.7	20.0	4.4	3.1	1.4	3.6	.0	2.7	81.0	
	TOT %	4.0	13.7	29.0	20.2	4.4	3.6	1.4	3.9	.0	2.7	82.9	
	TOT OBS												415
	TOT PCT	5.2	15.4	31.3	23.7	8.1	5.2	3.2	4.9	.0	2.9	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.2	.0	.0	.0	.0	.0		.2	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.2	
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.2	.0	.0	.0	.0	.2	.0	.1	.0		.5	
	11-21	.0	.0	.0	.1	.4	.0	.0	.2	.0		.7	
	22+	.0	.0	.2	.0	.0	.0	.0	.0	.0		.2	
	TOT %	.2	.0	.2	.1	.4	.2	.0	.3	.0	.0	1.4	
5<10	0-3	.0	.0	.0	.5	.2	.5	.5	.2	.0	.2	2.2	
	4-10	.6	.8	1.1	1.7	1.4	.1	1.2	.5	.0		7.5	
	11-21	.5	.8	.9	1.0	1.7	.8	.0	.0	.0		5.8	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	1.1	1.7	2.0	3.2	3.2	1.4	1.7	.8	.0	.2	15.4	
10+	0-3	.5	1.7	3.9	2.1	.0	.8	.8	.2	.0	2.6	12.7	
	4-10	2.9	7.9	13.3	8.8	2.8	2.5	.4	2.0	.0		40.6	
	11-21	.6	4.1	11.0	8.8	1.6	.3	.2	1.8	.0		28.4	
	22+	.0	.1	.7	.5	.0	.0	.0	.0	.0		1.2	
	TOT %	4.0	13.7	28.9	20.2	4.4	3.6	1.4	4.1	.0	2.6	82.9	
	TOT OBS												416
	TOT PCT	5.2	15.4	31.2	23.7	8.1	5.2	3.2	5.2	.0	2.9	100.0	

MAY

PERIOD: (PRIMARY) 1952-1977
(OVER-ALL) 1907-1977

AREA 0017 TAHITI IS. AND MOOREA IS
17.1S 151.4W

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00&03	.0	.0	1.3	7.8	6.5	3.9	.0	1.3	.0	.0	20.8	79.2	77
06&09	1.1	.0	1.1	1.1	3.4	3.4	1.1	.0	.0	.0	11.5	88.5	87
12&15	.0	.0	.0	2.0	9.8	3.9	2.0	1.0	.0	.0	18.6	81.4	102
18&21	.0	.0	1.5	3.0	7.6	12.1	1.5	.0	.0	.0	25.8	74.2	66
TOT	1	0	3	11	23	18	4	2	0	0	62	270	332
PCT	.3	.0	.9	3.3	6.9	5.4	1.2	.6	.0	.0	18.7	81.3	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00&03	.0	.0	.0	2.6	10.4	87.0	77
06&09	.0	.0	.7	1.4	24.6	73.2	138
12&15	.0	.0	.0	3.6	12.7	83.6	110
18&21	.0	.0	.0	.0	9.7	90.3	103
TOT	0	0	1	8	66	353	428
PCT	.0	.0	.2	1.9	15.4	82.5	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET, NH >4/8), BY HOUR

HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL OBS
00&03	.0	1.3	10.7	10.7	78.7	75
06&09	1.2	2.4	5.9	7.1	87.1	85
12&15	.0	.0	5.0	16.0	79.0	100
18&21	.0	1.5	4.6	21.5	73.8	65
TOT	1	4	21	44	260	325
PCT	.3	1.2	6.5	13.5	80.0	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
90/94	.0	.0	.0	.0	.0	.2	.0	.0	1	.2
85/89	.0	.0	.0	.0	1.0	2.2	2.4	1.0	27	6.6
80/84	.0	.0	.2	.0	6.1	35.1	25.4	4.9	294	71.7
75/79	.0	.0	.0	.0	1.5	7.3	8.0	3.7	84	20.5
70/74	.0	.0	.0	.0	.0	.0	.0	1.0	4	1.0
TOTAL	0	0	1	0	35	184	147	43	410	100.0
PCT	.0	.0	.2	.0	8.5	44.9	35.9	10.5		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
.0	.2	.0	.0	.0	.0	.0	.0	.0	.0
.4	1.1	2.1	.8	.2	.3	.4	.7	.0	.5
3.7	11.4	22.7	18.7	4.9	3.3	1.8	3.5	.0	1.7
.9	2.1	5.9	4.7	3.2	1.4	1.1	.5	.0	.7
.0	.2	.2	.0	.0	.2	.0	.2	.0	.0
5.1	15.1	30.9	24.1	8.4	5.2	3.3	5.0	.0	2.9

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00&03	87	86	85	82	77	74	74	82.0	80
06&09	88	87	86	81	77	74	73	81.0	144
12&15	83	82	82	80	77	76	76	79.8	112
18&21	90	87	85	81	78	73	73	81.1	106
TOT	90	87	85	81	77	74	73	80.9	442

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00&03	.0	1.3	13.0	61.0	18.2	6.5	76	77
06&09	.0	.0	8.5	39.2	39.2	13.1	80	130
12&15	.0	.0	5.5	44.0	45.9	4.6	80	109
18&21	.0	.0	7.8	41.7	33.0	17.5	80	103
TOT	0	1	35	189	149	45	79	419

MAY

PERIOD: (PRIMARY) 1952-1977
(OVER-ALL) 1907-1977

AREA 0017 TAHITI IS. AND MOOREA IS
17.1S 151.4W

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	73 76	77 80	81 84	85 88	89 92	TOT	W FOG	WO FOG
14/16	.0	.0	.0	.0	.3	1	.0	.3
6	.0	.0	.3	.0	.0	1	.0	.3
5	.0	.0	.0	.0	.3	1	.0	.3
4	.0	.0	.0	.6	.0	2	.0	.6
3	.0	.0	1.1	.6	.0	6	.0	1.7
2	.0	.0	2.8	.8	.0	13	.0	3.7
1	.0	.6	2.0	.8	.0	12	.0	3.4
0	.0	1.7	7.6	.3	.0	34	.0	9.6
-1	.0	6.2	13.0	.0	.0	68	.6	18.6
-2	.0	7.9	8.7	.0	.0	59	.3	16.3
-3	.0	8.5	5.1	.0	.0	48	.0	13.5
-4	.3	7.3	3.9	.0	.0	41	.0	11.5
-5	.8	5.9	4.5	.0	.0	40	.0	11.3
-6	.3	2.8	.0	.0	.0	11	.0	3.1
-7/-8	.6	3.1	.3	.0	.0	14	.0	3.9
-9/-10	.8	.0	.0	.0	.0	3	.0	.8
-11/-13	.3	.0	.0	.0	.0	1	.0	.3
TOTAL	11	156	175	11	2	355	3	352
PCT	3.1	43.9	49.3	3.1	.6	100.0	.8	99.2

PERIOD: (OVER-ALL) 1963-1977

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.9	.0	.0	.0	.0	.9
1-2	.0	2.4	.7	.0	.0	.0	3.1
3-4	.0	1.0	.3	.0	.0	.0	1.4
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	4.3	1.0	.0	.0	.0	5.4

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	2.0	.0	.0	.0	.0	2.0
1-2	1.0	4.2	1.4	.0	.0	.0	6.6
3-4	.0	.8	2.6	.0	.0	.0	3.4
5-6	.0	.3	1.4	.1	.0	.0	1.8
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.0	7.3	5.4	.1	.0	.0	13.8

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	1.0	2.9	.3	.0	.0	.0	4.2
1-2	1.2	6.4	2.9	.0	.0	.0	10.5
3-4	.0	3.6	7.3	.3	.0	.0	11.2
5-6	.0	.3	2.8	.3	.0	.0	3.4
7	.0	.0	.7	.3	.0	.0	1.0
8-9	.0	.0	.0	.0	.3	.0	.3
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	2.2	13.2	14.0	1.0	.3	.0	30.6

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	1.1	4.1	.7	.0	.0	.0	5.9
1-2	1.2	4.5	5.0	.0	.0	.0	10.8
3-4	.3	3.3	4.3	.0	.0	.0	7.9
5-6	.0	.0	.4	.0	.0	.0	.4
7	.0	.0	.7	.3	.0	.0	1.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.3	.0	.0	.0	.3
12	.0	.0	.0	.3	.0	.0	.3
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	2.7	11.9	11.5	.7	.0	.0	26.7

MAY

PERIOD: (OVER-ALL) 1964-1977 AREA 0017 TAHITI IS. AND MOOREA IS 17.4S 151.4W

TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

S

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	1.2	.0	.0	.0	.0	1.2
1-2	.0	1.3	1.5	.0	.0	.0	2.8
3-4	.0	.6	2.3	.0	.0	.0	2.9
5-6	.0	.3	.3	.0	.0	.0	.6
7	.0	.3	.0	.0	.0	.0	.3
8-9	.0	.0	.3	.0	.0	.0	.3
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	3.8	4.3	.0	.0	.0	8.2

SW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.7	.0	.0	.0	.0	.7
1-2	.9	1.8	.3	.0	.0	.0	3.0
3-4	.0	.4	1.3	.0	.0	.0	1.7
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.9	3.0	1.6	.0	.0	.0	5.5

W

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.3	1.0	.0	.0	.0	.0	1.4
1-2	.9	.7	.3	.0	.0	.0	1.8
3-4	.0	.3	.0	.0	.0	.0	.3
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.2	2.1	.3	.0	.0	.0	3.6

NW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	.0	1.5	.0	.0	.0	.0	1.5	
1-2	.0	.9	.4	.0	.0	.0	1.3	
3-4	.0	.3	.7	.0	.0	.0	1.0	
5-6	.0	.0	.0	.0	.0	.0	.0	
7	.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.0	2.7	1.1	.0	.0	.0	3.8	97.6

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	5.2	14.4	1.0	.0	.0	.0	20.6	
1-2	5.2	22.0	12.4	.0	.0	.0	39.5	
3-4	.3	10.7	18.6	.3	.0	.0	29.9	
5-6	.0	1.0	4.8	.3	.0	.0	6.2	
7	.0	.3	1.4	.7	.0	.0	2.4	
8-9	.0	.0	.3	.0	.3	.0	.7	
10-11	.0	.0	.3	.0	.0	.0	.3	
12	.0	.0	.0	.3	.0	.0	.3	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	10.7	48.5	38.8	1.7	.3	.0	100.0	291

PERIOD: (OVER-ALL) 1952-1977

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	4.4	11.7	8.2	4.4	1.9	.6	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100	3
6-7	.0	1.6	4.4	6.3	6.0	.9	.9	.9	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	68	6
8-9	.0	1.6	5.4	5.0	6.0	.9	1.3	.3	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	68	6
10-11	.0	.3	1.6	1.3	2.8	.3	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	22	6
12-13	.0	.0	1.9	1.3	.3	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	13	5
>13	.0	.0	.0	.3	.6	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5	8
INDET	2.5	.6	2.2	4.1	2.2	.6	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	41	4
TOTAL	22	50	75	72	63	13	14	4	4	0	0	0	0	0	0	0	0	0	0	317	5
PCT	6.9	15.8	23.7	22.7	19.9	4.1	4.4	1.3	1.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

JUNE

PERIOD: (PRIMARY) 1942-1977
(OVER-ALL) 1871-1977

AREA 0017 TAHITI IS. AND MOOREA IS
17.1S 151.7W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA				
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST BLWG SNOW	NO SIG WEA
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
NE	2.6	2.6	.0	.0	.0	.0	.0	5.2	2.6	.0	.0	.0	.0	.0	92.3
E	2.2	2.2	.0	.0	.0	.0	.0	4.4	1.1	1.9	.0	.0	.0	.0	92.5
SE	1.7	1.1	.0	.0	.0	.0	.0	2.9	4.6	.3	.0	.0	.0	.0	92.3
S	2.0	.0	.0	.0	.0	.0	.0	2.0	3.9	3.9	.0	.0	.0	.0	90.2
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
TOT PCT	1.8	1.5	.0	.0	.0	.0	.0	3.3	2.6	1.1	.0	.0	.0	.0	93.0
TOT OBS:	272														

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA				
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST BLWG SNOW	NO SIG WEA
00603	.0	2.0	.0	.0	.0	.0	.0	2.0	4.0	.0	.0	.0	.0	.0	94.0
06609	1.1	1.1	.0	.0	.0	.0	.0	2.1	2.1	2.1	.0	.0	.0	.0	93.6
12615	1.6	.0	.0	.0	.0	.0	.0	1.6	3.1	.0	.0	.0	.0	.0	95.3
18621	4.3	2.9	.0	.0	.0	.0	.0	7.1	1.4	1.4	.0	.0	.0	.0	90.0
TOT PCT	1.8	1.4	.0	.0	.0	.0	.0	3.2	2.5	1.1	.0	.0	.0	.0	93.2
TOT OBS:	278														

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	WIND SPEED (KNOTS)									HOUR (GMT)					
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	.4	1.4	1.3	.0	.0	.0		3.0	9.0	3.1	.0	2.8	[illegible]	2.7	.0	3.8	.0
NE	2.4	7.3	3.5	.0	.0	.0		13.2	7.8	10.4	12.5	15.8	100.[illegible]	9.1	.0	14.1	.0
E	.9	17.7	13.7	2.2	.0	.0		34.5	11.3	31.3	37.5	37.3	.0	32.2	.0	35.9	.0
SE	1.4	15.7	13.0	2.1	.0	.0		32.2	11.9	33.9	50.0	32.5	.0	34.5	.0	29.2	.0
S	.5	5.2	3.3	.8	.0	.0		9.7	11.3	9.9	.0	7.3	.0	15.2	.0	8.7	.0
SW	.6	.7	.7	.3	.0	.0		2.3	11.8	5.2	.0	1.5	.0	1.5	.0	2.2	.0
W	.3	.5	.7	.0	.0	.0		1.4	9.7	4.2	.0	.8	.0	.0	.0	1.0	75.0
NW	.3	.8	.4	.0	.0	.0		1.6	6.1	2.1	.0	1.3	.0	.4	.0	2.6	25.0
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	2.0							2.0	.0	.0	.0	1.0	.0	4.5	.0	2.6	.0
TOT OBS	26	146	108	16	0	0	296		10.6	48	2	100	1	66	0	78	1
TOT PCT	8.8	49.3	36.5	5.4	.0	.0		100.0		100.0	100.0	100.0	100.0	100.0	.0	100.0	100.0

TABLE 3A

	WIND SPEED (KNOTS)								HOUR (GMT)			
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	06 09	12 15	18 21
N	1.3	1.5	.3	.0	.0		3.0	9.0	3.0	2.7	2.7	3.8
NE	6.1	6.7	.4	.0	.0		13.2	7.8	10.5	16.6	9.1	13.9
E	7.9	20.9	5.1	.7	.0		34.5	11.3	31.5	36.9	32.2	35.4
SE	6.1	18.7	7.4	.0	.0		32.2	11.9	34.5	32.2	34.5	28.8
S	3.0	5.1	1.4	.3	.0		9.7	11.3	9.5	7.2	15.2	8.5
SW	.8	1.1	.0	.3	.0		2.3	11.8	5.0	1.5	1.5	2.2
W	.5	.6	.3	.0	.0		1.4	9.7	4.0	.7	.0	1.9
NW	1.1	.5	.0	.0	.0		1.6	6.1	2.0	1.2	.4	2.8
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	2.0						2.0	.0	.0	1.0	4.5	2.5
TOT OBS	85	163	44	4	0	296		10.6	50	101	66	79
TOT PCT	28.7	55.1	14.9	1.4	.0		100.0		100.0	100.0	100.0	100.0

JUNE

PERIOD: (PRIMARY) 1942-1977
(OVER-ALL) 1871-1977

AREA 0017 TAHITI IS. AND MOOREA IS
17.1S 151.7W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS) 1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00&03	.0	6.0	48.0	38.0	8.0	.0	.0	11.5	100.0	50
06&09	1.0	5.0	59.4	32.7	2.0	.0	.0	9.7	100.0	101
12&15	4.5	.0	42.4	47.0	6.1	.0	.0	12.0	100.0	66
18&21	2.5	15.2	43.0	31.6	7.6	.0	.0	10.1	100.0	79
TOT	6	20	146	108	16	0	0	10.6		296
PCT	2.0	6.8	49.3	36.5	5.4	.0	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	.9	.4	.0	.4		3.2
NE	3.7	3.0	2.4	1.3		3.7
E	10.1	11.5	8.5	1.0		3.4
SE	10.9	10.4	11.5	3.9		4.1
S	3.1	3.0	3.3	1.6		4.3
SW	1.2	.7	1.2	.0		3.0
W	.9	1.0	.6	.0		3.4
NW	.7	.3	.6	.0		3.6
VAR	.0	.0	.0	.0		.0
CALM	1.8	.0	.0	.0		1.3
TOT OBS	56	51	47	14	168	3.8
TOT PCT	33.3	30.4	28.0	8.3	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT,NH >4/8) AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

WND DIR	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	TOTAL OBS
N	.0	.0	.0	.0	.4	.0	.0	.0	.0	.0	1.3	
NE	.0	.0	.0	.6	.7	.0	.0	.0	.0	.0	9.1	
E	.0	.0	.0	2.2	1.6	.6	.0	.6	.0	.0	26.0	
SE	.0	.0	1.3	.3	5.3	3.0	.0	.0	.0	.0	26.5	
S	.6	.0	1.0	1.0	1.2	.6	.0	.0	.0	.0	6.5	
SW	.0	.0	.0	.0	.0	.6	.0	.0	.0	.0	2.5	
W	.0	.0	.0	.0	.0	.6	.0	.0	.0	.0	1.9	
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.6	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.8	
TOT OBS	1	0	4	7	16	9	0	1	0	0	130	168
TOT PCT	.6	.0	2.4	4.2	9.5	5.4	.0	.6	.0	.0	77.4	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) = OR >10	= OR >5	= OR >2	= OR >1	= OR >1/2	= OR >1/4	= OR >50YD	= OR >0
= OR >6500	.0	.0	.0	.0	.0	.0	.0	.0
= OR >5000	.6	.6	.6	.6	.6	.6	.6	.6
= OR >3500	.6	.6	.6	.6	.6	.6	.6	.6
= OR >2000	4.1	5.9	5.9	5.9	5.9	5.9	5.9	5.9
= OR >1000	11.8	15.4	16.0	16.0	16.0	16.0	16.0	16.0
= OR >600	14.8	18.9	19.5	19.5	19.5	19.5	19.5	19.5
= OR >300	16.0	20.1	20.7	20.7	20.7	21.3	21.3	21.3
= OR >150	16.0	20.1	20.7	20.7	20.7	21.3	21.3	21.3
= OR > 0	16.6	20.7	21.3	21.3	21.3	21.9	21.9	21.9
TOTAL	28	35	36	36	36	37	37	37

TOTAL NUMBER OF OBS: 169

PCT FREQ NH <5/8: 78.1

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8 OBSCD	TOTAL OBS
5.7	17.7	18.9	17.1	18.3	4.6	6.9	5.7	5.1	.0	175

JUNE

PERIOD: (PRIMARY) 1942-1977
(OVER-ALL) 1871-1977

AREA 0017 TAHITI IS. AND MOOREA IS
17.1S 151.7W

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.4	.0	.0	.0	.0	.0	.0	.4	
	TOT %	.0	.0	.0	.4	.0	.0	.0	.0	.0	.0	.4	
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	PCP	.0	.4	.0	.4	.0	.0	.0	.0	.0	.0	.7	
	NO PCP	.0	.0	.0	.0	.4	.0	.0	.0	.0	.0	.4	
	TOT %	.0	.4	.0	.4	.4	.0	.0	.0	.0	.0	1.1	
5<10	PCP	.0	.0	.0	.2	.2	.0	.0	.0	.0	.0	.4	
	NO PCP	.3	1.4	2.7	2.8	.3	.4	.0	.4	.0	.0	8.1	
	TOT %	.3	1.4	2.7	3.0	.5	.4	.0	.4	.0	.0	8.5	
10+	PCP	.0	.4	1.5	.4	.0	.0	.0	.0	.0	.0	2.2	
	NO PCP	3.1	11.9	28.9	28.2	8.6	1.9	1.6	1.4	.0	2.2	87.8	
	TOT %	3.1	12.2	30.4	28.6	8.6	1.9	1.6	1.4	.0	2.2	90.0	
	TOT OBS												270
	TOT PCT	3.3	14.0	33.1	32.3	9.4	2.3	1.6	1.8	.0	2.2	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.4	.0	.0	.0	.0	.0		.4	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.4	.0	.0	.0	.0	.0	.0	.4	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.4	.4	.0	.0	.0	.0		.7	
	11-21	.0	.4	.0	.0	.0	.0	.0	.0	.0		.4	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.4	.0	.4	.4	.0	.0	.0	.0	.0	1.1	
5<10	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.3	.3	.6	1.1	.0	.0	.0	.0	.0		2.2	
	11-21	.0	1.1	1.8	1.6	.3	.4	.0	.4	.0		5.5	
	22+	.0	.0	.3	.3	.2	.0	.0	.0	.0		.7	
	TOT %	.3	1.4	2.7	3.0	.5	.4	.0	.4	.0	.0	8.5	
10+	0-3	.5	2.6	1.0	1.5	.6	.6	.3	.4	.0	2.2	9.6	
	4-10	1.2	7.3	16.6	13.9	4.5	.7	.6	.9	.0		45.8	
	11-21	1.4	2.3	10.9	11.1	3.0	.4	.7	.1	.0		29.9	
	22+	.0	.0	1.8	2.0	.6	.4	.0	.0	.0		4.8	
	TOT %	3.0	12.2	30.3	28.5	8.8	2.1	1.6	1.4	.0	2.2	90.0	
	TOT OBS												271
	TOT PCT	3.3	13.9	32.9	32.2	9.6	2.5	1.6	1.8	.0	2.2	100.0	

JUNE

PERIOD: (PRIMARY) 1942-1977
(OVER-ALL) 1871-1977

AREA 0017 TAHITI IS. AND MOOREA IS
17.1S 151.7W

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00&03	.0	.0	.0	4.1	18.4	10.2	.0	.0	.0	.0	32.7	67.3	49
06&09	.0	.0	2.3	2.3	9.1	4.5	.0	.0	.0	.0	18.2	81.8	44
12&15	.0	.0	1.7	6.7	5.0	3.3	.0	.0	.0	.0	16.7	83.3	60
18&21	4.5	.0	9.1	.0	4.5	.0	.0	4.5	.0	.0	22.7	77.3	22
TOT	1	0	4	7	17	9	0	1	0	0	39	136	175
PCT	.6	.0	2.3	4.0	9.7	5.1	.0	.6	.0	.0	22.3	77.7	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00&03	.0	.0	.0	.0	8.0	92.0	50
06&09	1.1	.0	.0	3.2	7.5	88.2	93
12&15	.0	.0	.0	.0	12.7	87.3	63
18&21	.0	.0	.0	.0	7.0	93.0	71
TOT	1	0	0	3	24	249	277
PCT	.4	.0	.0	1.1	8.7	89.9	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET, NH >4/8), BY HOUR

HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND 5+	NH <5/8 AND 5+	TOTAL OBS
00&03	.0	.0	4.2	29.2	66.7	48
06&09	.0	2.3	7.0	11.6	81.4	43
12&15	.0	1.8	7.0	8.8	84.2	57
18&21	4.8	9.5	9.5	9.5	81.0	21
TOT	1	4	11	26	132	169
PCT	.6	2.4	6.5	15.4	78.1	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
85/89	.0	.0	.0	.0	.8	.4	1.2	.0	6	2.3
80/84	.0	.0	.0	.0	5.5	17.6	12.1	5.1	103	40.2
75/79	.0	.0	.4	1.2	4.3	21.9	16.8	12.1	145	56.6
70/74	.0	.0	.0	.0	.4	.0	.0	.4	2	.8
TOTAL	0	0	1	3	28	102	77	45	256	100.0
PCT	.0	.0	.4	1.2	10.9	39.8	30.1	17.6		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
.0	.8	1.6	.0	.0	.0	.0	.0	.0	.0
2.4	5.8	16.5	8.8	2.2	1.5	1.3	1.8	.0	.0
1.1	8.4	15.3	21.3	6.8	.9	.4	.1	.0	2.3
.0	.0	.0	.8	.0	.0	.0	.0	.0	.0
3.5	14.9	33.4	30.9	9.1	2.3	1.7	1.9	.0	2.3

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00&03	86	85	85	80	77	76	76	80.5	50
06&09	89	85	83	80	77	72	72	79.8	102
12&15	81	80	80	78	76	74	74	78.2	68
18&21	85	84	82	79	76	72	72	78.7	79
TOT	89	85	83	79	76	74	72	79.3	299

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00&03	.0	2.1	27.1	54.2	14.6	2.1	73	48
06&09	.0	.0	4.8	36.9	33.3	25.0	82	84
12&15	.0	3.1	10.8	46.2	35.4	4.6	77	65
18&21	.0	1.6	6.3	27.0	31.7	33.3	83	63
TOT	0	4	28	104	78	46	79	260

JUNE

PERIOD: (PRIMARY) 1942-1977
(OVER-ALL) 1871-1977

AREA 0017 TAHITI IS. AND MOOREA IS
17.1S 151.7W

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	73 76	77 80	81 84	85 88	TOT	W FOG	WO FOG
14/16	.0	.0	.0	.5	1	.0	.5
11/13	.0	.0	.0	.5	1	.0	.5
7/8	.0	.0	.5	.0	1	.0	.5
5	.0	1.1	.0	.5	3	.0	1.6
4	.0	.5	.0	.5	2	.0	1.1
2	.0	1.1	3.2	.5	9	.0	4.8
1	.0	2.6	3.2	.5	12	.0	6.3
0	.0	2.6	5.3	.0	15	.0	7.9
-1	.0	14.8	4.2	.0	36	.0	19.0
-2	.5	10.1	1.1	.0	22	.0	11.6
-3	2.1	15.9	2.6	.0	39	.0	20.6
-4	1.6	5.8	1.6	.0	17	.0	9.0
-5	1.6	6.3	.5	.0	16	.0	8.5
-6	1.6	4.2	.0	.0	11	.0	5.8
-7/-8	.5	.0	.0	.0	1	.0	.5
-9/-10	.0	1.6	.0	.0	3	.0	1.6
TOTAL	15	126	42	6	189	0	189
PCT	7.9	66.7	22.3	3.1	100.0		100.0

PERIOD: (OVER-ALL) 1963-1977

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	2.2	.0	.0	.0	.0	2.2
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.7	.0	.0	.0	.7
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	2.2	.7	.0	.0	.0	2.9

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.9	1.8	.0	.0	.0	.0	2.6
1-2	.0	5.5	.0	.0	.0	.0	5.5
3-4	.0	.9	1.1	.0	.0	.0	2.0
5-6	.0	.0	.2	.0	.0	.0	.2
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.9	8.1	1.3	.0	.0	.0	10.3

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	1.8	.9	.0	.0	.0	2.6
1-2	.9	12.5	5.0	.0	.0	.0	18.4
3-4	.0	4.2	4.2	.7	.0	.0	9.0
5-6	.0	.0	2.6	.0	.0	.0	2.6
7	.0	.0	1.3	.9	.0	.0	2.2
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.9	.0	.0	.9
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.9	18.4	14.0	2.4	.0	.0	35.7

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	2.6	.0	.0	.0	.0	2.6
1-2	.9	5.0	2.9	.0	.0	.0	8.8
3-4	.0	6.4	5.0	1.1	.0	.0	12.5
5-6	.0	.0	.9	.0	.0	.0	.9
7	.0	.0	5.0	1.8	.0	.0	6.8
8-9	.0	.0	.9	.0	.0	.0	.9
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.9	.0	.0	.9
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.9	.0	.0	.9
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.9	14.0	14.7	4.6	.0	.0	34.2

PERIOD: (OVER-ALL) 1963-1977

JUNE

AREA 0017 TAHITI IS. AND MOOREA IS
17.1S 151.7W

TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

	S							SW						
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0	.0	.0	.2
1-2	.0	2.4	.9	.0	.0	.0	3.3	.0	.2	.0	.0	.0	.0	.2
3-4	.0	1.5	2.0	.0	.0	.0	3.5	.0	.2	.0	.0	.0	.0	.2
5-6	.0	.9	.9	.0	.0	.0	1.8	.0	.0	1.8	.0	.0	.0	1.8
7	.0	.0	1.5	.0	.0	.0	1.5	.0	.0	.0	.9	.0	.0	.9
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.9	.0	.0	.9	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	4.8	5.3	.9	.0	.0	11.0	.0	.7	1.8	.9	.0	.0	3.3

	W							NW							TOTAL
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	PCT
<1	.0	.7	.0	.0	.0	.0	.7	.0	.9	.0	.0	.0	.0	.9	
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0	.0	.0	.2	
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.0	.7	.0	.0	.0	.0	.7	.0	1.1	.0	.0	.0	.0	1.1	99.1

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	1.8	7.9	.9	.0	.0	.0	10.5	
1-2	1.8	28.1	8.8	.0	.0	.0	38.6	
3-4	.0	13.2	12.3	1.8	.0	.0	27.2	
5-6	.0	.9	7.0	.0	.0	.0	7.9	
7	.0	.0	7.9	3.5	.0	.0	11.4	
8-9	.0	.0	.9	.0	.0	.0	.9	
10-11	.0	.0	.0	.9	.0	.0	.9	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.9	.0	.0	.9	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	1.8	.0	.0	1.8	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	3.5	50.0	37.7	6.8	.0	.0	100.0	114

PERIOD: (OVER-ALL) 1949-1977

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	2.8	4.9	11.1	4.9	2.1	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	38	3
6-7	.0	.7	6.9	6.9	5.6	2.1	.7	.0	1.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	35	6
8-9	.0	.7	2.1	6.3	6.3	.0	2.8	3.5	.0	.0	.0	.0	.7	.0	.0	.0	.0	.0	.0	32	8
10-11	.0	.0	.7	1.4	3.5	.7	2.1	.7	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	14	8
12-13	.0	.0	2.1	.7	.7	.7	1.4	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	9	7
>13	.0	.0	.0	.0	.7	.0	.0	.7	.0	.0	.0	.0	.7	.0	.0	.0	.0	.0	.0	3	16
INDET	.0	1.4	2.1	4.9	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	13	4
TOTAL	4	11	36	36	28	6	10	8	3	0	0	0	2	0	0	0	0	0	0	144	6
PCT	2.8	7.6	25.0	25.0	19.4	4.2	6.9	5.6	2.1	.0	.0	.0	1.4	.0	.0	.0	.0	.0	.0	100.0	

JULY

PERIOD: (PRIMARY) 1942-1977
(OVER-ALL) 1873-1977

AREA 0017 TAHITI IS. AND MOOREA IS
17.1S 151.8W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

	PRECIPITATION TYPE									OTHER WEATHER PHENOMENA					
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
N	5.6	9.9	.0	.0	.0	.0	.0	15.5	4.2	.0	.0	.0	.0	.0	.0	80.3
NE	6.5	7.4	2.3	.0	.0	.0	.0	16.2	.0	.0	.0	.0	.0	.0	.0	83.8
E	2.7	1.0	1.4	.0	.0	.0	.0	5.6	2.1	.0	.4	.0	.0	.0	.0	91.8
SE	1.2	1.5	1.2	.0	.0	.0	.0	4.0	5.3	.0	.6	.0	.0	.0	.0	90.1
S	.0	2.3	2.3	.0	.0	.0	.0	4.6	3.1	.0	.0	.0	.0	.0	.0	92.4
SW	.0	.0	2.4	.0	.0	.0	.0	2.4	.0	.0	4.8	.0	.0	.0	.0	92.9
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.7	.0	.0	.0	.0	95.3
NW	11.4	14.3	.0	.0	.0	.0	.0	25.7	14.3	11.4	.0	.0	11.4	.0	.0	48.6
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
TOT PCT	2.8	3.1	1.4	.0	.0	.0	.0	7.3	2.8	.3	.6	.0	.3	.0	.0	89.1
TOT OBS:	357															

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

	PRECIPITATION TYPE									OTHER WEATHER PHENOMENA					
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
00603	.0	1.6	.0	.0	.0	.0	.0	1.6	1.6	.0	.0	.0	.0	.0	.0	96.7
06609	3.1	1.6	.8	.0	.0	.0	.0	5.5	4.7	.0	1.6	.0	.8	.0	.0	87.4
12615	3.7	2.4	3.7	.0	.0	.0	.0	9.8	2.4	1.6	.0	.0	.0	.0	.0	87.8
18621	3.2	0.5	1.1	.0	.0	.0	.0	10.8	2.2	.0	.0	.0	.0	.0	.0	87.1
TOT PCT	2.8	3.0	1.4	.0	.0	.0	.0	7.2	3.0	.3	.6	.0	.3	.0	.0	89.0
TOT OBS:	363															

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	WIND SPEED (KNOTS)									HOUR (GMT)							
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	.5	3.0	1.9	.1	.0	.0		5.5	9.6	4.4	12.5	3.7	5.0	8.0	.0	6.6	.0
NE	1.5	6.7	5.9	.6	.0	.0		14.7	11.7	6.9	12.5	14.7	25.0	8.3	20.0	22.8	33.3
E	1.9	20.6	13.8	1.0	.0	.0		37.2	10.7	40.3	43.8	37.2	20.0	39.0	55.0	34.5	33.3
SE	.8	8.0	9.0	3.4	.7	.0		21.9	14.3	27.8	6.3	25.9	40.0	18.8	5.0	15.8	.0
S	.2	5.5	2.1	.5	.0	.0		8.4	10.4	10.9	25.0	6.2	10.0	7.7	.0	10.2	.0
SW	.4	2.7	.5	.0	.0	.0		3.6	7.6	1.6	.0	5.3	.0	4.2	.0	2.9	.0
W	.5	2.1	.7	.2	.0	.0		3.5	8.2	3.6	.0	3.2	.0	5.4	20.0	1.9	.0
NW	.8	.7	.5	.1	.0	.0		2.1	8.6	2.8	.0	1.6	.0	2.7	.0	2.4	.0
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	3.2							3.2	.0	1.6	.0	2.1	.0	6.0	.0	2.9	33.3
TOT OBS	40	203	142	24	3	0	412		11.0	62	4	141	10	84	5	103	3
TOT PCT	9.7	49.3	34.5	5.8	.7	.0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

	WIND SPEED (KNOTS)								HOUR (GMT)			
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	06 09	12 15	18 21
N	1.8	3.3	.2	.1	.0		5.5	9.6	4.9	3.8	7.6	6.4
NE	2.9	7.1	4.6	.1	.0		14.7	11.7	7.2	15.4	9.0	23.1
E	9.0	21.7	6.5	.0	.0		37.2	10.7	40.5	36.1	39.9	34.4
SE	3.9	10.4	6.1	1.5	.0		21.9	14.3	26.5	26.8	18.0	15.3
S	2.3	4.8	1.3	.0	.0		8.4	10.4	11.7	6.5	7.3	9.9
SW	1.6	1.8	.2	.0	.0		3.6	7.6	1.5	5.0	3.9	2.8
W	1.5	1.8	.2	.0	.0		3.5	8.2	3.4	3.0	6.2	1.9
NW	.8	1.0	.3	.0	.0		2.1	8.6	2.7	1.5	2.5	2.4
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	3.2						3.2	.0	1.5	2.0	5.6	3.8
TOT OBS	111	214	80	7	0	412		11.0	66	151	89	106
TOT PCT	26.9	51.9	19.4	1.7	.0		100.0		100.0	100.0	100.0	100.0

PERIOD: (PRIMARY) 1942-1977
(OVER-ALL) 1873-1977

AREA 0017 TAHITI IS. AND MOOREA IS
17.1S 151.8W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS) 1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00&03	1.5	3.0	39.4	43.9	12.1	.0	.0	13.1	100.0	66
06&09	2.0	7.3	53.6	31.8	4.6	.7	.0	10.5	100.0	151
12&15	3.6	5.6	49.4	32.6	6.7	.0	.0	10.6	100.0	89
18&21	3.8	8.5	49.1	34.0	2.8	1.9	.0	10.6	100.0	106
TOT	13	27	203	142	24	3	0	11.0		412
PCT	3.2	6.6	49.3	34.5	5.8	.7	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	2.0	1.2	1.2	.4		3.4
NE	3.8	3.3	1.9	.6		3.3
E	17.3	10.4	7.1	3.4		3.3
SE	8.9	9.1	7.2	2.9		3.9
S	.4	2.3	2.9	1.1		5.0
SW	.4	1.0	.4	.1		3.7
W	2.0	.4	.3	.7		3.6
NW	.7	1.0	.2	1.0		4.5
VAR	.0	.0	.0	.0		.0
CALM	3.1	.0	.4	.4		2.6
TOT OBS	87	65	49	24	225	3.0
TOT PCT	38.7	28.9	21.8	10.7	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT,NH >4/8) AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

WND DIR	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	TOTAL OBS
N	.0	.0	.0	.0	.4	.0	.0	.0	.0	.0	4.4	
NE	.0	.0	.0	1.0	.9	.4	.0	.0	.0	.0	7.2	
E	.3	.0	.0	2.1	2.4	1.1	.0	.0	.0	.0	32.3	
SE	.1	.4	.0	1.1	2.6	1.1	.9	.0	.0	.0	21.9	
S	.4	.0	.4	1.6	.8	.0	.0	.0	.0	.0	3.6	
SW	.0	.0	.0	.0	.1	.0	.4	.0	.0	.0	1.4	
W	.0	.0	.0	.0	.7	.5	.0	.0	.0	.0	2.4	
NW	.0	.0	.0	.9	.1	.1	.0	.0	.0	.0	1.8	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.0	.0	.0	.4	.0	.0	.0	.0	.0	3.6	
TOT OBS	2	1	1	15	19	7	3	0	0	0	177	225
TOT PCT	.9	.4	.4	6.7	8.4	3.1	1.3	.0	.0	.0	78.7	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) * OR >10	* OR >5	* OR >2	* OR >1	* OR >1/2	* OR >1/4	* OR >50YD	* OR >0
* OR >6500	.0	.0	.0	.0	.0	.0	.0	.0
* OR >5000	.0	.0	.0	.0	.0	.0	.0	.0
* OR >3500	.9	1.3	1.3	1.3	1.3	1.3	1.3	1.3
* OR >2000	2.6	3.9	3.9	3.9	3.9	3.9	3.9	3.9
* OR >1000	7.9	11.8	12.3	12.3	12.3	12.7	12.7	12.7
* OR >600	11.8	17.1	18.4	18.9	18.9	19.3	19.3	19.3
* OR >300	12.3	17.5	18.9	19.3	19.3	19.7	19.7	19.7
* OR >150	12.7	18.0	19.3	19.7	19.7	20.2	20.2	20.2
* OR > 0	13.2	18.9	20.2	20.6	20.6	21.1	21.1	21.1
TOTAL	30	43	46	47	47	48	48	48

TOTAL NUMBER OF OBS: 228 PCT FREQ NH <5/8: 78.9

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	OBSCD	TOTAL OBS
3.5	24.0	20.5	20.1	9.8	6.7	5.5	2.0	7.9	.0	254

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PERIOD: (PRIMARY) 1942-1977
(OVER-ALL) 1873-1977

AREA 0017 TAHITI IS. AND MOOREA IS
17.1S 151.8W

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	.3	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.3	.0	.0	.3	
	TOT %	.0	.0	.3	.0	.0	.0	.0	.3	.0	.0	.6	
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	PCP	.0	.0	.0	.0	.0	.0	.0	.3	.0	.0	.3	
	NO PCP	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.3	
	TOT %	.0	.0	.0	.3	.0	.0	.0	.3	.0	.0	.6	
2<5	PCP	.0	.4	.4	.0	.0	.0	.0	.0	.0	.0	.8	
	NO PCP	.0	.3	.6	.1	.5	.0	.0	.0	.0	.3	1.7	
	TOT %	.0	.7	1.0	.1	.5	.0	.0	.0	.0	.3	2.5	
5<10	PCP	.6	.6	.2	.1	.2	.0	.0	.0	.0	.0	1.7	
	NO PCP	.6	2.0	3.9	3.6	1.2	1.0	.6	.1	.0	.3	13.2	
	TOT %	1.1	2.7	4.1	3.7	1.4	1.0	.6	.1	.0	.3	14.9	
10+	PCP	.2	1.4	1.1	.6	.2	.1	.0	.4	.0	.0	3.9	
	NO PCP	3.7	10.4	29.7	17.8	7.1	1.9	2.4	1.5	.0	3.1	77.5	
	TOT %	3.9	11.8	30.8	18.4	7.3	2.0	2.4	1.8	.0	3.1	81.5	
	TOT OBS												356
	TOT PCT	5.0	15.2	36.2	22.4	9.2	2.9	3.0	2.5	.0	3.7	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.3	.0	.0	.0	.0	.3	.0		.6	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.3	.0	.0	.0	.0	.3	.0	.0	.6	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.3	.0	.0	.0		.3	
	11-21	.0	.0	.0	.0	.0	.0	.0	.3	.0		.3	
	22+	.0	.0	.0	.3	.0	.0	.0	.0	.0		.3	
	TOT %	.0	.0	.0	.3	.0	.3	.0	.3	.0	.0	.8	
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.3	
	4-10	.0	.4	.7	.1	.5	.0	.0	.0	.0		1.7	
	11-21	.0	.3	.6	.0	.0	.0	.0	.0	.0		.8	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.7	1.3	.1	.5	.0	.0	.0	.0	.3	2.8	
5<10	0-3	.0	.3	.5	.3	.0	.0	.0	.0	.0	.3	1.4	
	4-10	.4	1.3	1.0	.6	.3	.7	.1	.0	.0		4.5	
	11-21	.6	.3	2.5	1.6	1.1	.3	.3	.0	.0		6.7	
	22+	.1	.7	.0	1.1	.0	.0	.2	.1	.0		2.2	
	TOT %	1.1	2.6	4.0	3.6	1.4	1.0	.6	.1	.0	.3	14.8	
10+	0-3	.6	1.4	1.7	.6	.3	.4	.3	.9	.0	3.1	9.2	
	4-10	2.4	5.3	17.3	7.6	3.4	1.5	2.0	.8	.0		42.3	
	11-21	.8	5.3	10.8	7.6	1.3	.0	.0	.1	.0		25.9	
	22+	.0	.0	.8	2.5	.3	.0	.0	.0	.0		3.6	
	TOT %	3.8	12.0	30.6	18.2	7.2	1.9	2.4	1.8	.0	3.1	81.1	
	TOT OBS												359
	TOT PCT	4.9	15.3	36.1	22.2	9.1	3.2	3.0	2.4	.0	3.6	100.0	

PERIOD: (PRIMARY) 1942-1977
(OVER-ALL) 1873-1977

AREA 0017 TAHITI IS. AND MOOREA IS
17.1S 151.4W

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NM >4/8) AND OCCURRENCE OF NM <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NM <5/8 ANY HGT	TOTAL OBS
00&03	.0	1.8	.0	3.6	9.1	5.5	.0	.0	.0	.0	20.0	80.0	55
06&09	2.7	.0	.0	5.4	8.1	1.4	1.4	.0	.0	.0	18.9	81.1	74
12&15	.0	.0	.0	9.5	8.1	2.7	1.4	.0	.0	.0	21.6	78.4	74
18&21	.0	.0	2.2	6.7	6.7	2.2	2.2	.0	.0	.0	20.0	80.0	45
TOT	2	1	1	16	20	7	3	0	0	0	50	198	248
PCT	.8	.4	.4	6.5	8.1	2.8	1.2	.0	.0	.0	20.2	79.8	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00&03	.0	.0	.0	.0	14.8	85.2	61
06&09	.8	.0	.8	2.3	14.1	82.0	128
12&15	1.2	.0	1.2	6.0	14.5	77.1	83
18&21	.0	.0	1.1	2.2	18.3	78.5	93
TOT	2	0	3	10	56	294	365
PCT	.5	.0	.8	2.7	15.3	80.5	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET, NM >4/8), BY HOUR

HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NM <5/8 AND 5+	TOTAL OBS
00&03	.0	1.8	5.5	14.5	80.0	55
06&09	3.1	3.1	9.4	12.5	78.1	64
12&15	.0	1.4	14.5	8.7	76.8	69
18&21	.0	2.5	10.0	12.5	77.5	40
TOT	2	5	23	27	178	228
PCT	.9	2.2	10.1	11.8	78.1	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
85/89	.0	.0	.0	.0	.3	.3	.0	.0	2	.6
80/84	.0	.0	.0	1.1	3.6	14.3	8.7	4.2	114	31.9
75/79	.0	.0	.0	.6	2.8	28.0	19.6	12.6	227	63.6
70/74	.0	.0	.0	.6	.6	1.1	.6	1.1	14	3.9
TOTAL	0	0	0	8	26	156	103	64	357	100.0
PCT	.0	.0	.0	2.2	7.3	43.7	28.9	17.9		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
.0	.3	.3	.0	.0	.0	.0	.0	.0	.0
2.4	5.4	16.7	4.5	1.1	.6	.5	.2	.0	.6
3.4	8.8	21.1	15.7	4.9	2.6	2.3	2.2	.0	2.5
.2	.3	.3	1.0	1.5	.4	.2	.1	.0	.0
6.0	14.8	38.4	21.1	7.6	3.5	3.0	2.5	.0	3.1

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00&03	86	85	84	80	75	73	73	79.4	66
06&09	84	83	82	79	75	73	73	78.7	152
12&15	81	80	80	78	74	72	72	77.5	91
18&21	84	83	81	78	74	67	67	77.6	108
TOT	86	84	82	78	75	73	67	78.3	417

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00&03	.0	12.5	20.3	46.9	20.3	.0	72	64
06&09	.0	.0	4.0	45.6	28.8	21.6	81	125
12&15	.0	.0	4.7	51.8	30.6	12.9	80	85
18&21	.0	.0	4.5	30.7	34.1	30.7	84	88
TOT	0	8	26	158	105	65	80	362

JULY

PERIOD: (PRIMARY) 1942-1977
(OVER-ALL) 1873-1977

AREA 0017 TAHITI IS. AND MOOREA IS
17.1S 151.8W

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	69 72	73 76	77 80	81 84	85 88	TOT	W FOG	WO FOG
6	.0	.0	.0	.0	.4	1	.0	.4
5	.0	.0	.0	.7	.0	2	.0	.7
4	.0	.0	.4	.7	.0	3	.0	1.1
3	.0	.0	.7	.7	.4	5	.0	1.8
2	.0	.0	.0	2.8	.0	8	.0	2.8
1	.0	.4	4.6	2.5	.0	21	.0	7.5
0	.0	.4	7.8	5.0	.0	37	.0	13.2
-1	.0	1.4	14.6	.7	.0	47	.4	16.4
-2	.0	1.4	14.2	.4	.0	45	.4	15.7
-3	.0	3.6	9.3	.0	.0	36	.0	12.8
-4	.0	8.2	6.4	.0	.0	41	.0	14.6
-5	.4	2.8	2.8	.0	.0	17	.0	6.0
-6	.0	2.8	.7	.0	.0	10	.0	3.6
-7/-8	.0	1.4	.7	.0	.0	6	.0	2.1
-9/-10	.0	.4	.0	.0	.0	1	.0	.4
-11/-13	.0	.4	.0	.0	.0	1	.0	.4
TOTAL	1	65	175	38	2	261	2	279
PCT	.4	23.2	62.2	13.5	.7	100.0	.7	99.3

PERIOD: (OVER-ALL) 1963-1977

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	1.6	.6	.0	.0	.0	2.1
3-4	.0	1.1	.6	.0	.0	.0	1.7
5-6	.0	.6	.0	.0	.0	.0	.6
7	.0	.0	.6	.0	.0	.0	.6
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	3.3	1.7	.0	.0	.0	5.0

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.6	.6	.0	.0	.0	.0	1.1
1-2	.0	4.4	.6	.0	.0	.0	5.0
3-4	.0	1.3	3.3	.0	.0	.0	4.6
5-6	.0	.0	.6	.0	.0	.0	.6
7	.0	.0	.6	.0	.0	.0	.6
8-9	.0	.0	1.1	.0	.0	.0	1.1
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.6	6.3	6.1	.0	.0	.0	13.0

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.6	.0	.0	.0	.0	.0	.6
1-2	1.1	10.9	3.9	.0	.0	.0	15.9
3-4	.0	2.1	5.4	.6	.0	.0	8.1
5-6	.0	.6	3.1	.0	.0	.0	3.7
7	.0	.0	1.6	.0	.0	.0	1.6
8-9	.0	1.1	1.0	.0	.0	.0	2.1
10-11	.0	.0	1.3	.0	.0	.0	1.3
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.7	14.7	10.3	.6	.0	.0	33.3

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	5.7	2.4	.0	.0	.0	8.1
3-4	.0	4.1	3.4	1.1	.0	.0	8.7
5-6	.0	.0	3.7	.0	.0	.0	3.7
7	.0	.1	1.4	1.1	.0	.0	2.7
8-9	.0	.0	.1	1.1	.0	.0	1.3
10-11	.0	.0	.6	.0	.0	.0	.6
12	.0	.0	.0	.6	.0	.0	.6
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	10.0	11.7	4.0	.0	.0	25.7

PERIOD: (OVER-ALL) 1963-1977

JULY

AREA 0017 TAHITI IS. AND MOOREA IS
17.1S 151.8W

TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

S

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	4.6	.6	.0	.0	.0	5.1
3-4	.0	1.0	1.0	.0	.0	.0	2.0
5-6	.0	.0	.6	.0	.0	.0	.6
7	.0	.4	.4	.0	.0	.0	.9
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.4	.0	.0	.0	.4
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	6.0	3.0	.0	.0	.0	9.0

SW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	1.3	.0	.0	.0	.0	1.3
3-4	.0	1.7	.0	.0	.0	.0	1.7
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	3.0	.0	.0	.0	.0	3.0

W

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	1.1	.0	.0	.0	.0	1.1
1-2	.4	2.0	.0	.0	.0	.0	2.4
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.4	.0	.0	.4
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.4	3.1	.0	.4	.0	.0	4.0

NW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	.0	.0	.0	.0	.0	.0	.0	
1-2	.7	.4	.6	.0	.0	.0	1.7	
3-4	.0	1.1	.0	.0	.0	.0	1.1	
5-6	.0	.0	.0	.1	.0	.0	.1	
7	.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.7	1.6	.6	.1	.0	.0	3.0	96.0

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	5.1	1.7	.0	.0	.0	.0	6.9	
1-2	2.3	30.9	8.6	.0	.0	.0	41.7	
3-4	.0	12.6	13.7	1.7	.0	.0	28.0	
5-6	.0	1.1	8.0	.6	.0	.0	9.7	
7	.0	.6	4.6	1.1	.0	.0	6.3	
8-9	.0	1.1	2.3	1.1	.0	.0	4.6	
10-11	.0	.0	2.3	.0	.0	.0	2.3	
12	.0	.0	.0	.6	.0	.0	.6	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
								175
TOT PCT	7.4	48.0	39.4	5.1	.0	.0	100.0	

PERIOD: (OVER-ALL) 1949-1977

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	.5	7.0	12.6	5.1	3.3	1.4	1.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	68	4
6-7	.0	1.4	4.7	10.3	6.5	2.8	.9	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	58	6
8-9	.0	.5	3.3	3.3	3.7	3.7	1.9	1.4	.5	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	40	7
10-11	.0	1.4	1.4	2.8	1.4	2.3	.5	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	21	8
12-13	.0	.0	.5	1.4	1.4	.9	.5	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	11	7
>13	.0	.0	.0	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	7
INDET	1.9	.9	.9	.9	.9	.0	.9	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	15	4
TOTAL	5	24	50	50	38	24	14	7	1	1	0	0	0	0	0	0	0	0	0	214	5
PCT	2.3	11.2	23.4	23.4	17.8	11.2	6.5	3.3	.5	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

AUGUST

PERIOD: (PRIMARY) 1942-1977
(OVER-ALL) 1888-1977

AREA 0017 TAHITI IS. AND MOOREA IS
17.2S 151.8W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG	DUST SNOW	NO SIG WEA
N	.0	19.5	.0	.0	.0	.0	.0	19.5	.0	.0	.0	.0	.0	.0	.0	80.5
NE	3.9	2.9	.0	.0	.0	.0	.0	6.8	3.9	.0	.0	.0	.0	.0	.0	89.3
E	.6	1.8	.0	.0	.0	.0	.0	2.4	3.0	.0	.4	.0	.0	.0	.6	93.7
SE	4.0	1.4	1.9	.0	.0	.0	.0	7.0	4.0	.0	.5	.0	.0	.0	.2	88.4
S	14.5	4.8	.0	.0	.0	.0	.0	19.3	4.8	.0	.0	.0	.0	.0	.0	75.9
SW	44.4	.0	.0	.0	.0	.0	.0	44.4	.0	14.8	.0	.0	.0	.0	.0	55.6
W	.0	12.5	.0	.0	.0	.0	.0	12.5	.0	.0	.0	.0	.0	.0	.0	87.5
NW	.0	12.1	.0	.0	.0	.0	.0	12.1	12.1	.0	.0	.0	.0	.0	.0	75.8
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
TOT PCT	3.7	2.8	.6	.0	.0	.0	.0	7.1	3.4	.3	.3	.0	.0	.3	88.9
TOT OBS:	351															

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG	DUST SNOW	NO SIG WEA
00&03	6.2	1.5	.0	.0	.0	.0	.0	7.7	3.1	.0	.0	.0	.0	.0	.0	89.2
06&09	3.5	4.3	.0	.0	.0	.0	.0	7.8	1.7	.0	.0	.0	.0	.0	.0	90.4
12&15	4.7	1.2	1.2	.0	.0	.0	.0	7.1	3.5	1.2	.0	.0	.0	.0	.0	89.4
18&21	1.1	3.2	1.1	.0	.0	.0	.0	5.3	5.3	.0	1.1	.0	.0	.0	1.1	87.2
TOT PCT	3.6	2.8	.6	.0	.0	.0	.0	7.0	3.3	.3	.3	.0	.0	.3	89.1
TOT OBS:	359															

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	WIND SPEED (KNOTS)									HOUR (GMT)							
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	.0	2.4	.5	.5	.0	.0		3.3	10.3	4.9	.0	1.4	.0	3.4	.0	5.1	.0
NE	1.6	7.9	4.7	.7	.0	.0		14.8	10.1	9.5	.0	17.4	.0	22.3	8.3	10.6	5.0
E	1.5	12.9	19.4	3.0	.0	.0		36.7	13.0	36.4	25.0	36.6	100.0	30.5	25.0	41.7	55.0
SE	1.1	12.3	11.7	4.1	.3	.0		29.5	13.3	30.3	25.0	30.4	.0	27.1	33.3	29.8	40.0
S	.8	3.3	1.4	.6	.2	.0		6.3	11.0	8.3	25.0	6.8	.0	4.6	.0	5.6	.0
SW	.0	.6	1.2	.0	.0	.0		1.8	12.3	3.4	25.0	.6	.0	2.4	.0	1.0	.0
W	.0	.9	1.0	.2	.0	.0		2.1	11.1	2.7	.0	2.3	.0	2.1	25.0	1.0	.0
NW	.0	1.5	.3	.3	.0	.0		2.2	11.9	3.0	.0	1.2	.0	2.7	8.3	2.3	.0
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	3.1							3.1	.0	1.5	.0	3.3	.0	4.9	.0	3.0	.0
TOT OBS	31	159	153	36	2	0	381		11.9	66	4	121	1	82	3	99	5
TOT PCT	8.1	41.7	40.2	9.4	.5	.0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

	WIND SPEED (KNOTS)								HOUR (GMT)			
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	06 09	12 15	18 21
N	1.8	1.0	.3	.3	.0		3.3	10.3	4.6	1.4	3.2	4.8
NE	4.7	8.5	1.2	.4	.0		14.8	10.1	8.9	17.2	21.8	10.3
E	4.7	23.1	8.1	.8	.0		36.7	13.0	35.7	37.1	30.3	42.3
SE	7.5	11.2	9.6	1.3	.0		29.5	13.3	30.0	30.1	27.4	30.3
S	2.6	2.0	1.2	.4	.0		6.3	11.0	9.3	6.8	4.4	5.3
SW	.3	1.4	.1	.0	.0		1.8	12.3	4.6	.6	2.4	1.0
W	.9	.8	.4	.0	.0		2.1	11.1	2.5	2.3	2.9	1.0
NW	.7	1.0	.1	.3	.0		2.2	11.9	2.9	1.2	2.9	2.2
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	3.1						3.1	.0	1.4	3.3	4.7	2.9
TOT OBS	101	187	80	13	0	381		11.9	70	122	85	104
TOT PCT	26.5	49.1	21.0	3.4	.0		100.0		100.0	100.0	100.0	100.0

AUGUST

PERIOD: (PRIMARY) 1942-1977
(OVER-ALL) 1888-1977

AREA 0017 TAHITI IS. AND MOOREA IS
17.2S 151.8W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS) 1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00&03	1.4	.0	40.0	50.0	8.6	.0	.0	12.9	100.0	70
06&09	3.3	9.8	39.3	38.5	7.4	1.6	.0	11.4	100.0	122
12&15	4.7	1.2	47.1	32.9	14.1	.0	.0	12.4	100.0	85
18&21	2.9	5.8	41.3	41.3	8.7	.0	.0	11.6	100.0	104
TOT	12	19	159	153	36	2	0	11.9		381
PCT	3.1	5.0	41.7	40.2	9.4	.5	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	1.6	.8	.3	.8		3.5
NE	6.3	3.6	3.5	1.2		3.2
E	10.0	10.3	9.1	3.1		3.8
SE	10.2	7.9	10.2	4.5		4.1
S	1.8	1.5	2.4	.7		4.4
SW	.1	.9	.9	.8		6.0
W	.7	.7	.3	.0		2.7
NW	.9	.0	1.0	.4		4.6
VAR	.0	.0	.0	.0		.0
CALM	2.5	.8	.0	.0		1.2
TOT OBS	82	64	67	28	241	3.8
TOT PCT	34.0	26.6	27.8	11.6	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT,NH >4/8) AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

WND DIR	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	TOTAL OBS
N	.0	.0	.0	.4	.0	.4	.0	.0	.0	.0	2.7	
NE	.0	.0	.0	1.2	.6	.8	.4	.0	.0	.0	11.6	
E	.0	.0	1.1	2.0	5.0	.6	.0	.0	.0	.0	23.8	
SE	.0	.0	1.0	1.9	5.7	1.9	.0	.0	.0	.4	21.8	
S	.0	.0	.3	.3	1.5	.4	.0	.0	.0	.0	3.8	
SW	.0	.0	.8	.0	.5	.0	.0	.0	.0	.0	1.5	
W	.0	.0	.0	.0	.3	.0	.0	.0	.0	.0	1.5	
NW	.0	.0	.4	.0	.1	.0	.0	.0	.0	.0	1.9	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.3	
TOT OBS	0	0	9	14	33	10	1	0	0	1	173	241
TOT PCT	.0	.0	3.7	5.8	13.7	4.1	.4	.0	.0	.4	71.8	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) * OR >10	* OR >5	* OR >2	* OR >1	* OR >1/2	* OR >1/4	* OR >50YD	* OR >0
* OR >6500	.4	.4	.4	.4	.4	.4	.4	.4
* OR >5000	.4	.4	.4	.4	.4	.4	.4	.4
* OR >3500	.8	.8	.8	.8	.8	.8	.8	.8
* OR >2000	2.8	5.3	5.7	5.7	5.7	5.7	5.7	5.7
* OR >1000	13.8	19.1	19.5	19.5	19.5	19.5	19.5	19.5
* OR >600	16.7	24.8	25.2	25.2	25.2	25.2	25.2	25.2
* OR >300	17.5	26.8	27.6	27.6	27.6	28.0	28.5	28.5
* OR >150	17.5	26.8	27.6	27.6	27.6	28.0	28.5	28.5
* OR > 0	17.5	26.8	27.6	27.6	27.6	28.0	28.5	28.5
TOTAL	43	66	68	68	68	69	70	70

TOTAL NUMBER OF OBS: 246 PCT FREQ NH <5/8: 71.5

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8 OBSCD	TOTAL OBS
7.4	19.3	18.2	16.0	9.3	8.9	8.2	3.0	9.7	.0	269

AUGUST

PERIOD: (PRIMARY) 1942-1977
(OVER-ALL) 1888-1977

AREA 0017 TAHITI IS. AND MOOREA IS
17.2S 151.8W

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.3	.0	.3	.0	.0	.6	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.3	.0	.3	.0	.0	.6	
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	PCP	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.3	
	NO PCP	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	.3	
	TOT %	.0	.0	.3	.3	.0	.0	.0	.0	.0	.0	.6	
5<10	PCP	.3	.6	.2	.6	1.1	.6	.0	.0	.0	.0	3.4	
	NO PCP	.3	1.2	3.3	3.1	.7	.0	.2	.4	.0	.3	9.4	
	TOT %	.6	1.8	3.5	3.7	1.9	.6	.2	.4	.0	.3	12.9	
10+	PCP	.3	.4	.6	1.2	.0	.0	.3	.0	.0	.0	2.9	
	NO PCP	2.1	12.5	31.6	25.4	4.1	1.1	1.8	1.7	.0	2.9	83.1	
	TOT %	2.4	12.9	32.3	26.6	4.1	1.1	2.1	1.7	.0	2.9	86.0	
	TOT OBS												350
	TOT PCT	2.9	14.7	36.1	30.6	5.9	1.9	2.3	2.4	.0	3.1	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.3	.0	.0	.0		.3	
	22+	.0	.0	.0	.0	.0	.0	.0	.3	.0		.3	
	TOT %	.0	.0	.0	.0	.0	.3	.0	.3	.0	.0	.6	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.3	.0	.0	.0	.0	.0		.3	
	22+	.0	.0	.3	.0	.0	.0	.0	.0	.0		.3	
	TOT %	.0	.0	.3	.3	.0	.0	.0	.0	.0	.0	.6	
5<10	0-3	.0	.3	.0	.0	.0	.0	.0	.0	.0	.3	.6	
	4-10	.0	.9	.1	.9	.7	.6	.0	.3	.0		3.4	
	11-21	.0	.6	2.9	1.5	.7	.0	.0	.0	.0		5.7	
	22+	.6	.0	.5	1.4	.4	.0	.2	.1	.0		3.1	
	TOT %	.6	1.8	3.5	3.7	1.9	.6	.2	.4	.0	.3	12.9	
10+	0-3	.0	1.4	1.4	1.2	.6	.0	.0	.0	.0	2.9	7.4	
	4-10	1.9	6.7	12.8	11.8	2.4	.1	1.0	1.4	.0		38.0	
	11-21	.5	4.1	15.9	10.1	.6	1.0	1.1	.4	.0		33.7	
	22+	.0	.7	2.2	3.3	.4	.0	.0	.0	.0		6.9	
	TOT %	2.4	12.9	32.3	26.6	4.1	1.1	2.1	1.7	.0	2.9	86.0	
	TOT OBS												350
	TOT PCT	2.9	14.7	36.1	30.6	5.9	1.9	2.3	2.4	.0	3.1	100.0	

AUGUST

PERIOD: (PRIMARY) 1942-1977
(OVER-ALL) 1888-1977

AREA 0017 TAHITI IS. AND MOOREA IS
17.2S 151.8W

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET,NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00&03	.0	.0	1.6	6.3	19.0	.0	.0	.0	.0	.0	27.0	73.0	63
06&09	.0	.0	3.1	9.2	9.2	6.2	.0	.0	.0	1.5	29.2	70.8	65
12&15	.0	.0	2.5	2.5	11.3	7.5	1.3	.0	.0	.0	25.0	75.0	80
18&21	.0	.0	7.7	3.8	13.5	3.8	.0	.0	.0	.0	28.8	71.2	52
TOT	0	0	9	14	34	12	1	0	0	1	71	189	260
PCT	.0	.0	3.5	5.4	13.1	4.6	.4	.0	.0	.4	27.3	72.7	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00&03	1.5	.0	.0	.0	7.7	90.8	65
06&09	.0	.0	.0	.9	13.9	85.2	115
12&15	.0	.0	.0	1.2	17.6	81.2	85
18&21	1.1	.0	.0	1.1	11.8	86.0	93
TOT	2	0	0	3	47	306	358
PCT	.6	.0	.0	.8	13.1	85.5	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET,NH >4/8), BY HOUR

HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL OBS
00&03	.0	1.6	8.2	19.7	72.1	61
06&09	.0	3.3	13.3	18.3	68.3	60
12&15	.0	2.6	5.3	21.1	73.7	76
18&21	.0	6.1	12.2	16.3	71.4	49
TOT	0	8	23	47	176	246
PCT	.0	3.3	9.3	19.1	71.5	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
85/89	.0	.0	.0	.0	.3	.6	.0	.0	3	.9
80/84	.0	.0	.0	.6	2.7	9.4	6.8	.6	68	20.1
75/79	.0	.0	.0	1.2	6.8	28.6	26.3	7.4	238	70.2
70/74	.0	.0	.0	.3	1.2	2.4	3.5	1.5	30	8.8
TOTAL	0	0	0	7	37	139	124	32	339	100.0
PCT	.0	.0	.0	2.1	10.9	41.0	36.6	9.4		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
.0	.1	.2	.2	.4	.0	.0	.0	.0	.0
1.8	4.4	8.3	3.2	.0	.1	.7	1.0	.0	.6
1.8	10.5	27.7	20.1	3.2	1.6	1.0	1.3	.0	2.9
.0	1.0	.7	5.8	1.1	.3	.0	.0	.0	.0
3.5	15.9	36.9	29.3	4.7	2.0	1.8	2.4	.0	3.5

TABLE 15

MEANS,EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00&03	88	87	85	80	75	73	73	79.6	70
06&09	84	83	81	77	74	73	73	77.5	127
12&15	80	79	79	76	73	70	70	76.2	87
18&21	82	81	81	78	73	72	72	77.4	105
TOT	88	84	82	78	74	72	70	77.6	389

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00&03	.0	8.2	23.0	39.3	19.7	9.8	75	61
06&09	.0	.0	7.9	43.0	36.8	12.3	80	114
12&15	.0	.0	12.3	35.8	44.4	7.4	79	81
18&21	.0	2.2	5.4	44.6	39.1	8.7	80	92
TOT	0	7	38	143	126	34	79	348

AUGUST

PERIOD: (PRIMARY) 1942-1977
(OVER-ALL) 1888-1977

AREA 0017 TAHITI IS. AND MOOREA IS
17.2S 151.8W

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	69 72	73 76	77 80	81 84	85 88	TOT	W FOG	WO FOG
14/16	.0	.0	.0	.0	1.1	3	.0	1.1
6	.0	.0	.4	.0	.0	1	.0	.4
5	.0	.0	.4	.4	.4	3	.0	1.1
4	.0	.0	.7	.7	.0	4	.0	1.5
3	.0	.4	1.1	.7	.0	6	.0	2.2
2	.0	.7	2.2	1.9	.4	14	.0	5.2
1	.0	.0	4.9	2.2	.0	19	.0	7.1
0	.0	1.9	10.1	1.5	.0	36	.4	13.1
-1	.0	2.6	12.7	.4	.0	42	.0	15.7
-2	.0	7.5	10.8	.0	.0	49	.0	18.3
-3	.0	9.0	6.3	.0	.0	41	.0	15.3
-4	.0	4.5	4.5	.0	.0	24	.0	9.0
-5	.4	2.2	2.6	.0	.0	14	.0	5.2
-6	.4	1.5	1.9	.0	.0	10	.0	3.7
-7/-8	.4	.0	.0	.0	.0	1	.0	.4
-9/-10	.0	.4	.0	.0	.0	1	.0	.4
TOTAL	3	82	157	21	5	268	1	267
PCT	1.1	30.6	58.7	7.8	1.8	100.0	.4	99.6

PERIOD: (OVER-ALL) 1963-1977

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.4	.5	.0	.0	.0	.9
3-4	.0	.5	.0	.0	.0	.0	.5
5-6	.0	.0	.4	.5	.0	.0	.9
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.9	.9	.5	.0	.0	2.3

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.5	1.5	.0	.0	.0	.0	2.0
1-2	.0	1.6	.8	.0	.0	.0	2.4
3-4	.0	2.5	.5	.0	.0	.0	3.0
5-6	.0	.0	2.0	.1	.0	.0	2.2
7	.0	.0	1.5	.1	.0	.0	1.6
8-9	.0	.0	.5	.5	.0	.0	1.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.5	5.7	5.3	.8	.0	.0	12.3

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.4	1.5	.0	.0	.0	.0	1.9
1-2	1.0	5.3	5.2	.0	.0	.0	11.5
3-4	.0	2.4	3.7	.4	.0	.0	6.5
5-6	.0	.0	7.6	2.3	.0	.0	9.9
7	.0	.0	1.3	1.9	.0	.0	3.2
8-9	.0	.0	.9	.0	.0	.0	.9
10-11	.0	.0	.4	.0	.0	.0	.4
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.4	9.3	19.0	4.6	.0	.0	34.3

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.6	1.6	.0	.0	.0	.0	2.3
1-2	.0	6.2	.1	.0	.0	.0	6.3
3-4	.0	4.2	4.4	1.6	.0	.0	10.3
5-6	.0	.0	5.3	1.4	.0	.0	6.7
7	.0	.0	3.3	1.0	.0	.0	4.3
8-9	.0	.0	.6	1.0	.0	.0	1.6
10-11	.0	.0	.1	.6	.5	.0	1.3
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	1.0	.1	.0	1.1
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.6	12.1	14.0	6.7	.6	.0	34.0

PERIOD: (OVER-ALL) 1963-1977

AUGUST

AREA 0017 TAHITI IS. AND MOOREA IS
17.2S 151.8W

TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

S

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.5	.9	.0	.0	.0	.0	1.4
1-2	.0	2.0	.0	.0	.0	.0	2.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.4	.8	.0	.0	1.1
7	.0	.0	1.4	.0	.0	.0	1.4
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.4	.0	.0	.4
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.4	.0	.4
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.5	2.9	1.8	1.1	.4	.0	6.7

SW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.1	.0	.0	.0	.0	.1
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	1.0	2.0	.0	.0	.0	3.0
7	.0	.0	.1	.0	.0	.0	.1
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	1.1	2.2	.0	.0	.0	3.3

W

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.4	.0	.0	.0	.0	.4
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.9	.4	.0	.0	1.3
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.4	.9	.4	.0	.0	1.6

NW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	.0	.0	.0	.0	.0	.0	.0	
1-2	.0	1.1	.0	.0	.0	.0	1.1	
3-4	.0	.5	.0	.0	.0	.0	.5	
5-6	.0	.0	.1	.6	.0	.0	.8	
7	.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.0	1.6	.1	.6	.0	.0	2.4	97.0

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	5.1	6.1	.0	.0	.0	.0	11.1	
1-2	1.5	16.7	6.6	.0	.0	.0	24.7	
3-4	.0	10.1	8.6	2.0	.0	.0	20.7	
5-6	.0	1.0	18.7	6.1	.0	.0	25.8	
7	.0	.0	7.6	3.0	.0	.0	10.6	
8-9	.0	.0	2.0	1.5	.0	.0	3.5	
10-11	.0	.0	.5	1.0	.5	.0	2.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	1.0	.5	.0	1.5	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	6.6	33.8	43.9	14.6	1.0	.0	100.0	198

PERIOD: (OVER-ALL) 1949-1977

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	2.3	4.6	11.4	6.8	5.9	1.4	.5	.5	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	75	4
6-7	.0	.9	4.1	10.0	7.3	3.2	.9	.0	.5	.0	.0	.5	.0	.0	.0	.0	.0	.0	.0	60	6
8-9	.0	2.3	1.4	5.0	5.5	1.4	1.8	.0	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	40	6
10-11	.0	.5	.0	1.8	1.8	.9	1.4	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	15	7
12-13	.0	.0	1.4	.0	.5	.9	.5	.0	.5	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	9	8
>13	.0	.0	.0	.0	1.4	.5	.0	.0	.0	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	5	10
INDET	1.4	.0	1.4	1.4	.9	1.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	15	5
TOTAL	8	18	43	55	51	22	11	2	6	0	2	1	0	0	0	0	0	0	0	219	6
PCT	3.7	8.2	19.6	25.1	23.3	10.0	5.0	.9	2.7	.0	.9	.5	.0	.0	.0	.0	.0	.0	.0	100.0	

SEPTEMBER

PERIOD: (PRIMARY) 1942-1977
(OVER-ALL) 1874-1977

AREA 0017 TAHITI IS. AND MOOREA IS
17.2S 151.9W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	100.0
NE	2.7	2.7	.0	.0	.0	.0	.0	5.5	1.4	.7	.0	.0	.0		.0	92.5
E	2.9	1.8	.0	.0	.0	.0	.0	4.7	4.9	.3	.9	.0	.0		.0	89.0
SE	4.1	.0	.0	.0	.0	.0	.0	4.1	3.4	1.3	.6	.0	.0		.0	91.9
S	.0	.0	.0	.0	.0	.0	.0	.0	7.9	.0	.0	.0	.0		.0	92.1
SW	.0	.0	.0	.0	.0	.0	.0	.0	20.0	.0	.0	.0	.0		.0	80.0
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	100.0
NW	.0	16.0	.0	.0	.0	.0	.0	16.0	.0	.0	.0	.0	.0		.0	84.0
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	100.0
TOT PCT	2.7	1.5	.0	.0	.0	.0	.0	4.2	4.2	.6	.6	.0	.0		.0	90.7
TOT OBS:	332															

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
00&03	3.8	.0	.0	.0	.0	.0	.0	3.8	5.8	.0	.0	.0	.0		.0	90.4
06&09	3.5	1.7	.9	.0	.0	.0	.0	6.1	4.3	.0	1.7	.0	.0		.0	87.8
12&15	1.1	4.2	.0	.0	.0	.0	.0	3.3	5.5	1.1	.0	.0	.0		.0	90.1
18&21	3.8	1.3	.0	.0	.0	.0	.0	5.0	1.3	1.3	.0	.0	.0		.0	93.8
TOT PCT	3.0	1.5	.3	.0	.0	.0	.0	4.7	4.1	.6	.6	.0	.0		.0	90.2
TOT OBS:	338															

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	WIND SPEED (KNOTS)									HOUR (GMT)							
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	.3	2.1	.6	.0	.0	.0		3.0	7.7	6.4	.0	1.4	.0	3.3	.0	3.0	.0
NE	.8	6.0	3.2	.3	.0	.0		10.3	9.6	12.7	.0	12.0	.0	12.4	.0	5.1	.0
E	1.8	24.8	20.4	1.9	.3	.0		49.2	11.0	47.7	.0	47.4	.0	40.9	25.0	61.6	.0
SE	1.0	10.8	9.9	2.7	.0	.0		24.4	12.9	22.7	.0	24.0	.0	28.6	43.8	21.0	.0
S	.5	3.9	1.8	.3	.0	.0		6.5	10.7	6.4	.0	4.2	.0	10.2	31.3	4.8	.0
SW	.5	.4	.5	.0	.0	.0		1.4	8.8	3.6	.0	1.4	.0	1.4	.0	.3	.0
W	.0	.8	.0	.0	.0	.0		.8	6.3	.0	.0	1.6	.0	1.1	.0	.0	.0
NW	.5	2.0	.0	.0	.0	.0		2.5	6.2	.5	.0	4.0	.0	2.2	.0	2.2	.0
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	1.9							1.9	.0	.0	.0	4.0	.0	.0	.0	2.2	.0
TOT OBS	27	187	134	19	1	0	368		10.8	55	0	125	0	91	4	93	0
TOT PCT	7.3	50.8	36.4	5.2	.3	.0		100.0		100.0	.0	100.0	.0	100.0	100.0	100.0	.0

TABLE 3A

	WIND SPEED (KNOTS)								HOUR (GMT)			
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	06 09	12 15	18 21
N	1.5	1.3	.2	.0	.0		3.0	7.7	6.4	1.4	3.2	3.0
NE	2.8	6.3	1.2	.0	.0		10.3	9.6	12.7	12.0	11.8	5.1
E	11.1	32.3	5.4	.3	.0		49.2	11.0	47.7	47.4	40.3	61.6
SE	3.7	14.4	5.7	.5	.0		24.4	12.9	22.7	24.0	29.2	21.0
S	1.0	5.0	.2	.3	.0		6.5	10.7	6.4	4.2	11.1	4.8
SW	.5	.9	.0	.0	.0		1.4	8.8	3.6	1.4	1.3	.3
W	.3	.5	.0	.0	.0		.8	6.3	.0	1.6	1.1	.0
NW	1.4	1.2	.0	.0	.0		2.5	6.2	.5	4.0	2.1	2.2
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	1.9						1.9	.0	.0	4.0	.0	2.2
TOT OBS	89	228	47	4	0	368		10.8	55	125	95	93
TOT PCT	24.2	62.0	12.8	1.1	.0		100.0		100.0	100.0	100.0	100.0

SEPTEMBER

PERIOD: (PRIMARY) 1942-1977
(OVER-ALL) 1874-1977

AREA 0017 TAHITI IS. AND MOOREA IS
17.2S 151.9W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS) 1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00&03	.0	1.8	50.9	43.6	3.6	.0	.0	11.3	100.0	55
06&09	4.0	6.4	52.8	32.0	4.0	.8	.0	10.2	100.0	125
12&15	.0	1.1	52.6	40.0	6.3	.0	.0	11.7	100.0	95
18&21	2.2	10.8	46.2	34.4	6.5	.0	.0	10.4	100.0	93
TOT	7	20	187	134	19	1	0	10.8		368
PCT	1.9	5.4	50.8	36.4	5.2	.3	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	2.1	.3	.3	.4		3.1
NE	6.3	4.1	1.2	.8		2.8
E	16.8	11.7	9.3	3.4		3.6
SE	10.8	5.5	8.7	3.0		3.9
S	2.4	1.9	3.0	.6		4.4
SW	.1	.6	.9	.4		5.4
W	.4	.0	.9	.0		4.3
NW	.5	.4	1.3	.0		4.8
VAR	.0	.0	.0	.0		.0
CALM	1.7	.0	.0	.0		.7
TOT OBS	95	57	59	20	231	3.7
TOT PCT	41.1	24.7	25.5	8.7	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT,NH >4/8) AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

WND DIR	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	TOTAL OBS
N	.0	.0	.0	.0	.0	.4	.3	.0	.0	.0	2.4	
NE	.0	.0	.0	.1	.9	.2	.6	.0	.0	.0	10.5	
E	.0	.0	.0	1.5	3.7	2.5	1.5	.0	.0	.0	31.9	
SE	.0	.0	.0	1.2	1.6	4.3	1.0	.4	.0	.0	19.5	
S	.0	.0	.0	1.1	1.2	.3	.0	.0	.0	.0	5.4	
SW	.0	.0	.0	.4	.0	.0	.4	.0	.0	.0	1.2	
W	.0	.0	.0	.4	.0	.0	.0	.0	.0	.0	.9	
NW	.0	.0	.0	.0	.0	.4	.0	.0	.0	.0	1.8	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.7	
TOT OBS	0	0	0	11	17	19	9	1	0	0	174	231
TOT PCT	.0	.0	.0	4.8	7.4	8.2	3.9	.4	.0	.0	75.3	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) * OR >10	* OR >5	* OR >2	* OR >1	* OR >1/2	* OR >1/4	* OR >50YD	* OR >0
* OR >6500	.0	.0	.0	.0	.0	.0	.0	.0
* OR >5000	.4	.4	.4	.4	.4	.4	.4	.4
* OR >3500	3.8	4.3	4.3	4.3	4.3	4.3	4.3	4.3
* OR >2000	8.9	12.8	13.2	13.2	13.2	13.2	13.2	13.2
* OR >1000	15.7	20.0	20.4	20.4	20.4	20.4	20.4	20.4
* OR >600	18.7	24.7	25.5	25.5	25.5	25.5	25.5	25.5
* OR >300	18.7	24.7	25.5	25.5	25.5	25.5	25.5	25.5
* OR >150	18.7	24.7	25.5	25.5	25.5	25.5	25.5	25.5
* OR > 0	18.7	24.7	25.5	25.5	25.5	25.5	25.5	25.5
TOTAL	44	58	60	60	60	60	60	60

TOTAL NUMBER OF OBS: 235 PCT FREQ NH <5/8: 74.5

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8 OBSCD	TOTAL OBS
5.3	20.2	22.7	14.6	12.1	7.7	4.0	6.1	7.3 .0	247

SEPTEMBER

PERIOD: (PRIMARY) 1942-1977
(OVER-ALL) 1874-1977

AREA 0017 TAHITI IS. AND MOOREA IS
17.2S 151.9W

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	PCP	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.3	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.3	
1<2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	PCP	.0	.0	.2	.1	.0	.0	.0	.0	.0	.0	.3	
	NO PCP	.0	.0	.6	.3	.0	.0	.0	.0	.0	.0	.9	
	TOT %	.0	.0	.8	.4	.0	.0	.0	.0	.0	.0	1.2	
5<10	PCP	.0	.0	.6	.6	.0	.0	.0	.3	.0	.0	1.5	
	NO PCP	.0	.5	3.3	3.6	.8	.0	.0	.3	.0	.0	8.5	
	TOT %	.0	.5	3.9	4.2	.8	.0	.0	.6	.0	.0	10.0	
10+	PCP	.0	.3	1.5	.3	.0	.0	.0	.0	.0	.0	2.1	
	NO PCP	2.9	9.8	42.7	19.4	6.0	1.5	.9	1.9	.0	1.8	86.4	
	TOT %	2.9	10.2	44.2	19.7	6.0	1.5	.9	1.3	.0	1.8	88.5	
	TOT OBS												330
	TOT PCT	2.9	11.0	49.0	24.2	6.7	1.5	.9	1.9	.0	1.8	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.3	.0	.0	.0	.0	.0	.0	.0		.3	
	TOT %	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.3	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.6	.0	.0	.0	.0	.0	.0		.6	
	11-21	.0	.0	.0	.3	.0	.0	.0	.0	.0		.3	
	22+	.0	.0	.2	.1	.0	.0	.0	.0	.0		.3	
	TOT %	.0	.0	.8	.4	.0	.0	.0	.0	.0	.0	1.2	
5<10	0-3	.0	.3	.0	.7	.2	.0	.0	.0	.0	.0	1.2	
	4-10	.0	.1	1.1	.4	.2	.0	.0	.6	.0		2.4	
	11-21	.0	.2	1.7	2.0	.3	.0	.0	.0	.0		4.2	
	22+	.0	.0	1.1	1.1	.0	.0	.0	.0	.0		2.1	
	TOT %	.0	.5	3.9	4.2	.8	.0	.0	.6	.0	.0	10.0	
10+	0-3	.3	.6	2.0	.4	.2	.5	.0	.3	.0	1.8	6.0	
	4-10	1.9	6.2	22.2	9.7	3.9	.5	.9	1.0	.0		46.2	
	11-21	.7	3.3	19.0	7.6	1.7	.6	.0	.0	.0		32.9	
	22+	.0	.0	1.1	1.9	.3	.0	.0	.0	.0		3.3	
	TOT %	2.9	10.1	44.4	19.6	6.0	1.5	.9	1.3	.0	1.8	88.5	
	TOT OBS												331
	TOT PCT	2.9	11.0	49.2	24.2	6.7	1.5	.9	1.9	.0	1.8	100.0	

SEPTEMBER

PERIOD: (PRIMARY) 1942-1977
(OVER-ALL) 1874-1977

AREA 0017 TAHITI IS. AND MOOREA IS
17.2S 151.9W

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET,NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00&03	.0	.0	.0	7.7	7.7	15.4	1.9	.0	.0	.0	32.7	67.3	52
06&09	.0	.0	.0	1.4	5.6	5.6	5.6	1.4	.0	.0	19.7	80.3	71
12&15	.0	.0	.0	6.2	8.6	7.4	2.5	.0	.0	.0	24.7	75.3	81
18&21	.0	.0	.0	4.9	4.9	7.3	4.9	.0	.0	.0	22.0	78.0	41
TOT	0	0	0	12	17	21	9	1	0	0	60	185	245
PCT	.0	.0	.0	4.9	6.9	8.6	3.7	.4	.0	.0	24.5	75.5	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00&03	.0	.0	.0	1.9	3.8	94.2	52
06&09	.0	.0	.0	.0	12.2	87.8	115
12&15	.0	1.1	.0	2.2	12.2	84.4	90
18&21	.0	.0	.0	1.3	10.0	88.8	80
TOT	0	1	0	4	35	297	337
PCT	.0	.3	.0	1.2	10.4	88.1	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET,NH >4/8),BY HOUR

HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL OBS
00&03	.0	.0	7.7	25.0	67.3	52
06&09	.0	.0	1.4	18.8	79.7	69
12&15	.0	.0	7.8	18.2	74.0	77
18&21	.0	.0	5.4	18.9	75.7	37
TOT	0	0	13	47	175	235
PCT	.0	.0	5.5	20.0	74.5	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
85/89	.0	.0	.0	.0	.6	.9	.0	.0	5	1.5
80/84	.0	.0	.0	.0	3.7	13.8	7.1	.6	82	25.2
75/79	.0	.0	.0	.0	5.8	25.8	28.9	5.8	216	66.5
70/74	.0	.0	.0	.0	1.5	1.5	2.8	.9	22	6.8
TOTAL	0	0	0	0	38	137	126	24	325	100.0
PCT	.0	.0	.0	.0	11.7	42.2	38.8	7.4		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
.0	.3	1.2	.0	.0	.0	.0	.0	.0	.0
1.1	3.5	16.9	2.2	.5	.0	.0	.7	.0	.3
1.9	7.0	30.2	18.0	4.7	.7	.9	1.2	.0	1.8
.0	.3	1.5	3.6	1.3	.1	.0	.0	.0	.0
3.0	11.2	49.8	23.8	6.5	.8	.9	1.9	.0	2.2

TABLE 15

MEANS,EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00&03	88	87	86	79	74	73	73	79.5	54
06&09	86	83	82	78	75	73	71	78.4	130
12&15	81	80	79	77	73	71	71	76.3	97
18&21	84	83	82	79	75	70	70	78.5	91
TOT	88	85	82	78	74	72	70	78.0	372

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00&03	.0	.0	30.8	42.3	23.1	3.8	74	52
06&09	.0	.0	9.1	41.8	39.1	10.0	80	110
12&15	.0	.0	6.6	38.5	44.0	11.0	80	91
18&21	.0	.0	7.8	45.5	40.3	6.5	80	77
TOT	0	0	38	138	126	28	79	330

SEPTEMBER

PERIOD: (PRIMARY) 1942-1977
(OVER-ALL) 1874-1977

AREA 0017 TAHITI IS. AND MOOREA IS
17.2S 151.9W

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	69 72	73 76	77 80	81 84	85 88	TOT	W FOG	WO FOG
9/10	.0	.0	.0	.0	.4	1	.0	.4
7/8	.0	.0	.4	.4	.0	2	.0	.8
6	.0	.0	.0	.0	.8	2	.0	.8
5	.0	.0	.0	.8	.0	2	.0	.8
4	.0	.0	.4	.4	.0	2	.0	.8
3	.0	.0	.8	1.6	.0	6	.0	2.3
2	.0	.0	1.9	2.3	.0	11	.0	4.3
1	.0	.0	3.5	2.3	.0	15	.4	5.4
0	.0	1.6	15.1	1.2	.0	46	.0	17.8
-1	.0	1.9	15.1	.0	.0	44	.0	17.1
-2	.0	5.8	9.3	.0	.0	39	.4	14.7
-3	.0	6.6	8.1	.0	.0	38	.0	14.7
-4	.0	4.3	3.5	.0	.0	20	.0	7.8
-5	.0	2.7	1.9	.0	.0	12	.0	4.7
-6	.0	1.2	.4	.0	.0	4	.0	1.6
-7/-8	1.2	1.9	.8	.0	.0	10	.0	3.9
-9/-10	.4	1.2	.0	.0	.0	4	.0	1.6
TOTAL	4	70	158	23	3	258	2	256
PCT	1.6	27.1	61.2	8.9	1.2	100.0	.8	99.2

PERIOD: (OVER-ALL) 1963-1977

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	1.9	.0	.0	.0	.0	1.9
3-4	.0	1.0	.4	.0	.0	.0	1.4
5-6	.0	.0	.4	.0	.0	.0	.4
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	2.9	.8	.0	.0	.0	3.7

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	2.2	.6	.0	.0	.0	2.8
1-2	.0	3.0	.0	.0	.0	.0	3.0
3-4	.0	2.9	1.7	.0	.0	.0	4.6
5-6	.0	.0	1.4	.0	.0	.0	1.4
7	.0	.0	.6	.0	.0	.0	.6
8-9	.0	.1	.0	.0	.0	.0	.1
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	8.3	4.1	.0	.0	.0	12.4

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	7.0	4.8	.0	.0	.0	11.9
3-4	.0	7.0	11.0	.4	.0	.0	18.5
5-6	.0	.0	5.9	1.5	.0	.0	7.5
7	.0	.0	1.4	1.0	.6	.0	2.9
8-9	.0	.4	.0	.4	.0	.0	.8
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	14.5	23.2	3.3	.6	.0	41.6

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.6	.0	.0	.0	.6
1-2	.1	7.3	1.8	.0	.0	.0	9.3
3-4	.0	2.1	1.8	1.2	.0	.0	5.1
5-6	.0	.6	3.9	1.2	.0	.0	5.7
7	.0	.6	.8	.7	.0	.0	2.1
8-9	.0	.0	1.2	.1	.0	.0	1.4
10-11	.0	.0	1.1	.0	.0	.0	1.1
12	.0	.0	.0	1.1	.0	.0	1.1
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.6	.0	.0	.6
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.1	10.5	11.2	5.0	.0	.0	26.8

PERIOD: (OVER-ALL) 1964-1977

SEPTEMBER

AREA 0017 TAHITI IS. AND MOOREA IS
17.2S 151.9W

TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

S

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	1.0	.0	.0	.0	.0	1.0
1-2	.4	3.7	.0	.0	.0	.0	4.1
3-4	.0	.8	2.2	.0	.0	.0	3.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.6	.0	.0	.6
8-9	.0	.0	.4	.0	.0	.0	.4
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.4	5.5	2.6	.6	.0	.0	9.1

SW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.6	.1	.0	.0	.0	.0	.7
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.6	.0	.0	.0	.6
5-6	.0	.0	.6	.0	.0	.0	.6
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.6	.1	1.1	.0	.0	.0	1.8

W

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	1.7	.0	.0	.0	.0	1.7
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	1.7	.0	.0	.0	.0	1.7

NW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	.0	.0	.0	.0	.0	.0	.0	
1-2	.0	1.2	.0	.0	.0	.0	1.2	
3-4	.0	.0	.0	.0	.0	.0	.0	
5-6	.0	.0	.0	.0	.0	.0	.0	
7	.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.0	1.2	.0	.0	.0	.0	1.2	98.3

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	2.2	3.3	1.1	.0	.0	.0	6.5	
1-2	1.6	25.5	6.5	.0	.0	.0	33.7	
3-4	.0	14.1	17.4	1.6	.0	.0	33.6	
5-6	.0	.5	12.0	2.7	.0	.0	15.2	
7	.0	.5	2.7	2.2	.5	.0	6.0	
8-9	.0	.5	1.6	.5	.0	.0	2.7	
10-11	.0	.0	1.1	.0	.0	.0	1.1	
12	.0	.0	.0	1.1	.0	.0	1.1	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.5	.0	.0	.5	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	3.8	44.6	42.4	8.7	.5	.0	100.0	184

PERIOD: (OVER-ALL) 1949-1977

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	.5	5.1	10.7	7.0	2.8	.9	.5	.5	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	61	4
6-7	.0	1.4	7.0	8.9	7.9	1.9	1.9	.5	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	64	6
8-9	.0	.5	2.8	7.5	4.7	2.8	1.9	.5	1.4	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	48	7
10-11	.0	.9	1.9	.9	.5	.9	.0	1.4	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	15	6
12-13	.0	.0	.5	.5	1.4	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	8	6
>13	.0	.0	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	5
INDET	.0	1.4	1.4	1.9	2.8	.5	.5	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	19	6
TOTAL	1	20	52	58	43	16	10	6	7	1	0	0	0	0	0	0	0	0	0	214	6
PCT	.5	9.3	24.3	27.1	20.1	7.5	4.7	2.8	3.3	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

OCTOBER

PERIOD: (PRIMARY) 1942-1977
(OVER-ALL) 1873-1977

AREA 0017 TAHITI IS. AND MOOREA IS
17.2S 152.0W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG	DUST BLWG SNOW	NO SIG WEA
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	14.3	.0	.0	.0		.0	85.7
NE	.0	6.0	.0	.0	.0	.0	.0	6.0	3.0	1.5	.0	.0	.0		.0	89.6
E	4.6	4.0	1.3	.0	.0	.0	.0	9.9	1.6	1.2	.0	.0	.0		.0	87.3
SE	1.1	4.5	.3	.0	.0	.0	.0	5.9	2.8	1.4	2.2	.0	.0		.0	87.7
S	.0	.0	3.6	.0	.0	.0	.0	3.6	3.6	.0	.0	.0	.0		.0	92.9
SW	.0	.0	.0	.0	.0	.0	.0	.0	9.1	.0	.0	.0	.0		.0	90.9
W	25.8	25.8	.0	.0	.0	.0	.0	51.6	12.9	.0	.0	.0	.0		.0	35.5
NW	18.2	18.2	18.2	.0	.0	.0	.0	54.5	.0	.0	.0	.0	.0		.0	45.5
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0
CALM	10.0	.0	.0	.0	.0	.0	.0	10.0	.0	.0	.0	.0	.0		.0	90.0
TOT PCT	3.6	4.5	1.2	.0	.0	.0	.0	9.3	2.4	1.5	.6	.0	.0		.0	86.1
TOT OBS:	332															

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG	DUST BLWG SNOW	NO SIG WEA
00&03	1.5	3.0	3.0	.0	.0	.0	.0	7.5	3.0	.0	.0	.0	.0		.0	89.6
06&09	6.5	8.3	1.9	.0	.0	.0	.0	16.7	.9	2.8	1.9	.0	.0		.0	77.8
12&15	.0	4.7	.0	.0	.0	.0	.0	4.7	4.7	1.6	.0	.0	.0		.0	89.1
18&21	5.1	1.0	.0	.0	.0	.0	.0	6.1	2.0	1.0	.0	.0	.0		.0	90.8
TOT PCT	3.9	4.5	1.2	.0	.0	.0	.0	9.5	2.4	1.5	.6	.0	.0		.0	86.1
TOT OBS:	337															

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	WIND SPEED (KNOTS)								HOUR (GMT)							
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	.2	1.8	1.4	.0	.0	.0		3.5	9.4	4.6	.0	2.2	.0	5.9	.0	2.8	.0
NE	.4	6.2	2.9	.4	.0	.0		9.8	9.5	8.8	.0	12.5	.0	11.7	.0	7.0	.0
E	1.1	17.3	24.4	1.6	.6	.0		45.0	12.3	57.0	.0	44.9	50.0	32.0	25.0	45.0	50.0
SE	.9	9.9	13.5	3.5	.0	.0		27.8	13.6	22.9	.0	23.7	.0	31.6	75.0	33.3	.0
S	.8	2.8	2.1	.5	.0	.0		6.2	10.3	4.9	.0	6.0	37.5	8.6	.0	4.5	50.0
SW	.0	.7	.1	.0	.0	.0		.8	8.0	1.4	.0	.9	12.5	.4	.0	.3	.0
W	.6	1.3	.6	.0	.0	.0		2.5	7.5	.0	.0	4.2	.0	1.6	.0	3.0	.0
NW	.3	.9	.4	.0	.0	.0		1.6	8.2	.4	.0	2.0	.0	5.1	.0	.0	.0
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	2.8							2.8	.0	.0	.0	3.6	.0	3.1	.0	4.0	.0
TOT OBS	25	145	160	21	2	0	353		11.6	71	0	112	2	64	2	100	2
TOT PCT	7.1	41.1	45.3	5.9	.6	.0		100.0		100.0	.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

	WIND SPEED (KNOTS)								HOUR (GMT)			
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	06 09	12 15	18 21
N	1.6	1.7	.2	.0	.0		3.5	9.4	4.6	2.2	5.7	2.7
NE	2.5	6.6	.7	.0	.0		9.8	9.5	8.8	12.3	11.4	6.9
E	7.2	29.5	7.7	.6	.0		45.0	12.3	57.0	45.0	31.8	45.1
SE	4.8	13.7	7.9	1.4	.0		27.8	13.6	22.9	23.2	33.0	32.8
S	1.9	3.3	.7	.3	.0		6.2	10.3	4.9	6.6	8.3	5.4
SW	.4	.4	.0	.0	.0		.8	8.0	1.4	1.1	.4	.2
W	1.3	.8	.3	.0	.0		2.5	7.5	.0	4.2	1.5	2.9
NW	.4	1.2	.1	.0	.0		1.6	8.2	.4	2.0	4.9	.0
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	2.8						2.8	.0	.0	3.5	3.0	3.9
TOT OBS	81	202	62	8	0	353		11.6	71	114	66	102
TOT PCT	22.9	57.2	17.6	2.3	.0		100.0		100.0	100.0	100.0	100.0

OCTOBER

PERIOD: (PRIMARY) 1942-1977
(OVER-ALL) 1873-1977

TABLE 4

AREA 0017 TAHITI IS. AND MOOREA IS
17.2S 152.0W

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS) 1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00-03	.0	.0	33.8	56.9	8.5	2.8	.0	14.3	100.0	71
06-09	3.5	3.5	47.4	41.2	4.4	.0	.0	10.8	100.0	114
12-15	3.0	1.5	43.9	45.5	6.1	.0	.0	11.1	100.0	66
18-21	3.9	9.8	37.3	43.1	5.9	.0	.0	10.8	100.0	102
TOT	10	15	145	160	21	2	0	11.6		353
PCT	2.8	4.2	41.1	45.3	5.9	.6	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	.9	.3	1.7	.0		4.6
NE	3.2	2.9	2.8	1.1		4.1
E	12.1	11.6	14.4	3.5		4.1
SE	7.4	8.5	11.4	2.8		4.3
S	.9	2.4	4.3	1.1		5.2
SW	.0	.5	.5	.1		5.1
W	.0	.0	1.7	.9		7.1
NW	.4	.0	.1	1.3		6.4
VAR	.0	.0	.0	.0		.0
CALM	.4	.0	.4	.4		5.3
TOT OBS	59	61	87	26	233	4.4
TOT PCT	25.3	26.2	37.3	11.2	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT, NH >4/8) AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

WND DIR	000-149	150-299	300-599	600-999	1000-1999	2000-3499	3500-4999	5000-6499	6500-7999	8000+	NH <5/8 ANY HGT	TOTAL OBS
N	.0	.0	.0	.0	.6	.8	.0	.0	.0	.0	1.5	
NE	.0	.0	.0	.0	.6	.0	.0	.0	.0	.0	9.3	
E	.0	.0	.0	3.3	4.0	2.8	.0	.0	.0	.0	31.5	
SE	.0	.0	.0	3.5	3.5	2.4	.0	.0	.0	.0	20.6	
S	.0	.0	.0	.8	1.9	.9	.0	.0	.0	.0	5.0	
SW	.0	.0	.0	.5	.0	.0	.0	.0	.0	.0	.6	
W	.0	.0	.0	.0	1.3	.0	.0	.0	.0	.0	1.3	
NW	.0	.0	.4	.0	.4	.4	.4	.0	.0	.0	.4	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.0	.0	.0	.4	.0	.0	.0	.0	.0	.9	
TOT OBS	0	0	1	19	30	16	1	0	0	0	166	233
TOT PCT	.0	.0	.4	8.2	12.9	6.9	.4	.0	.0	.0	71.2	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) * OR >10	* OR >5	* OR >2	* OR >1	* OR >1/2	* OR >1/4	* OR >50YD	* OR >0
* OR >6500	.0	.0	.0	.0	.0	.0	.0	.0
* OR >5000	.0	.0	.0	.0	.0	.0	.0	.0
* OR >3500	.0	.0	.0	.0	.0	.0	.0	.0
* OR >2000	5.1	6.8	7.2	7.2	7.2	7.2	7.2	7.2
* OR >1000	14.0	19.1	19.6	20.0	20.0	20.0	20.0	20.0
* OR >600	20.9	27.2	27.7	28.1	28.1	28.1	28.1	28.1
* OR >300	21.3	27.7	28.1	28.5	28.5	28.5	28.5	28.5
* OR >150	21.3	27.7	28.1	28.5	28.5	28.5	28.5	28.5
* OR > 0	21.3	27.7	28.1	28.5	28.5	28.5	28.5	28.5
TOTAL	50	65	66	67	67	67	67	67

TOTAL NUMBER OF OBS: 235 PCT FREQ NH <5/8: 71.5

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8 OBSCD	TOTAL OBS
2.4	14.5	20.6	21.4	12.1	6.0	6.5	6.9	9.7	.0	248

OCTOBER

PERIOD: (PRIMARY) 1942-1977
(OVER-ALL) 1873-1977

AREA 0017 TAHITI IS. AND MOOREA IS
17.2S 152.0W

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.3	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.3	
2<5	PCP	.0	.3	.3	.0	.0	.0	.0	.0	.0	.0	.6	
	NO PCP	.0	.0	.2	.1	.0	.0	.0	.0	.0	.0	.3	
	TOT %	.0	.3	.5	.1	.0	.0	.0	.0	.0	.0	.9	
5<10	PCP	.0	.3	3.3	.9	.0	.0	1.2	.6	.0	.0	6.3	
	NO PCP	.2	1.3	3.7	3.5	.3	.0	.6	.3	.0	.0	10.0	
	TOT %	.2	1.6	7.0	4.5	.3	.0	1.8	.9	.0	.0	16.3	
10+	PCP	.0	.0	.9	.7	.2	.0	.0	.3	.0	.0	2.1	
	NO PCP	2.9	8.2	37.4	21.8	5.8	.8	.5	.2	.0	2.7	80.4	
	TOT %	2.9	8.2	38.3	22.4	6.0	.8	.5	.5	.0	2.7	82.5	
	TOT OBS												331
	TOT PCT	3.2	10.1	45.8	27.0	6.3	.8	2.3	1.4	.0	3.0	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.3	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.3	
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.3	.3	.0	.0	.0	.0	.0	.0		.6	
	22+	.0	.0	.2	.1	.0	.0	.0	.0	.0		.3	
	TOT %	.0	.3	.5	.1	.0	.0	.0	.0	.0	.0	.9	
5<10	0-3	.0	.3	.0	.0	.0	.0	.0	.3	.0	.0	.6	
	4-10	.2	.4	3.0	2.1	.0	.0	1.2	.3	.0		7.2	
	11-21	.0	.9	3.8	1.1	.3	.0	.6	.3	.0		6.9	
	22+	.0	.0	.2	1.3	.0	.0	.0	.0	.0		1.5	
	TOT %	.2	1.6	7.0	4.4	.3	.0	1.8	.9	.0	.0	16.3	
10+	0-3	.2	.1	1.1	1.0	.6	.0	.3	.0	.0	2.7	6.0	
	4-10	1.7	6.2	14.5	7.6	3.0	.8	.2	.4	.0		34.3	
	11-21	1.0	1.6	20.7	12.3	1.9	.1	.0	.1	.0		37.7	
	22+	.0	.4	1.9	1.7	.5	.0	.0	.0	.0		4.5	
	TOT %	2.9	8.2	38.2	22.7	6.0	.8	.5	.5	.0	2.7	82.5	
	TOT OBS												332
	TOT PCT	3.2	10.1	45.7	27.2	6.3	.8	2.3	1.4	.0	3.0	100.0	

OCTOBER

PERIOD: (PRIMARY) 1942-1977
(OVER-ALL) 1873-1977

AREA 0017 TAHITI IS. AND MOOREA IS
17.2S 152.0W

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00603	.0	.0	.0	14.1	6.3	9.4	.0	.0	.0	.0	29.7	70.3	64
06609	.0	.0	.0	4.8	12.9	4.8	.0	.0	.0	.0	22.6	77.4	62
12615	.0	.0	1.6	4.9	16.4	6.6	1.6	.0	.0	.0	31.1	68.9	61
18621	.0	.0	.0	7.0	14.0	7.0	.0	.0	.0	.0	28.1	71.9	57
TOT	0	0	1	19	30	17	1	0	0	0	68	176	244
PCT	.0	.0	.4	7.8	12.3	7.0	.4	.0	.0	.0	27.9	72.1	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00603	.0	.0	.0	1.5	10.4	88.1	67
06609	.0	.0	.0	.0	25.7	74.3	109
12615	.0	.0	.0	3.2	12.7	84.1	63
18621	.0	.0	1.0	.0	12.2	86.7	98
TOT	0	0	1	3	55	278	337
PCT	.0	.0	.3	.9	16.3	82.5	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET, NH >4/8), BY HOUR

HOUR (GMT)	<150 <50YD	<600 <1	<1000 <3	1000+ AND3+	NH <5/8 AND 5+	TOTAL OBS
00603	.0	.0	15.9	14.3	69.8	63
06609	.0	.0	5.3	19.3	75.4	57
12615	.0	1.7	8.5	23.7	67.8	59
18621	.0	.0	8.9	19.6	71.4	56
TOT	0	1	23	45	167	235
PCT	.0	.4	9.8	19.1	71.1	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
85/89	.0	.0	.0	.0	.3	.9	.0	.3	5	1.5
80/84	.0	.0	.0	.0	2.8	15.7	12.7	1.9	107	33.0
75/79	.0	.0	.0	.0	3.1	21.6	28.7	9.0	202	62.3
70/74	.0	.0	.0	.0	.6	.3	.6	1.5	10	3.1
TOTAL	0	0	0	0	22	125	136	41	324	100.0
PCT	.0	.0	.0	.0	6.8	38.6	42.0	12.7		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
.2	.2	.8	.0	.0	.0	.0	.0	.0	.3
1.6	4.2	18.3	5.7	1.2	.0	.0	.4	.0	1.5
1.9	5.9	25.7	19.2	4.9	.6	2.1	1.1	.0	.6
.0	.0	.6	1.2	.0	.0	.6	.0	.0	.6
3.8	10.3	45.4	26.2	6.2	.8	2.7	1.5	.0	3.1

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00603	89	88	86	80	76	70	70	80.1	70
06609	85	83	82	79	76	73	73	78.8	116
12615	81	80	80	78	75	74	74	77.5	66
18621	83	82	82	79	74	73	73	78.4	104
TOT	89	85	82	79	75	73	70	78.7	356

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00603	.0	.0	17.6	54.4	23.5	4.4	76	68
06609	.0	.0	2.0	34.3	52.5	11.1	82	99
12615	.0	.0	3.1	29.7	45.3	21.9	84	64
18621	.0	.0	6.2	36.1	42.3	15.5	81	97
TOT	0	0	22	125	138	43	81	328

OCTOBER

PERIOD: (PRIMARY) 1942-1977
(OVER-ALL) 1873-1977

AREA 0017 TAHITI IS, AND MOOREA IS
17.2S 152.0W

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	69 72	73 76	77 80	81 84	85 88	89 92	TOT	W FOG	WO FOG
9/10	.0	.0	.0	.0	.0	.4	1	.0	.4
7/8	.0	.0	.0	.0	.8	.0	2	.0	.8
5	.0	.0	.0	1.2	.0	.0	3	.0	1.2
4	.0	.0	.8	.8	.0	.0	4	.0	1.5
3	.0	.0	.8	1.2	.4	.0	6	.0	2.3
2	.0	.0	1.5	1.5	.0	.0	8	.0	3.1
1	.0	.4	6.2	4.6	.0	.0	29	.0	11.2
0	.0	.0	8.5	1.9	.0	.0	27	.0	10.4
-1	.0	1.5	17.3	1.5	.0	.0	53	.4	20.0
-2	.0	1.9	11.9	1.2	.0	.0	39	.4	14.6
-3	.0	4.2	10.0	.0	.0	.0	37	.0	14.2
-4	.0	4.2	5.0	.8	.0	.0	26	.0	10.0
-5	.4	1.5	2.7	.8	.0	.0	14	.0	5.4
-6	.0	.8	1.5	.0	.0	.0	6	.0	2.3
-7/-8	.0	.8	.4	.0	.0	.0	3	.0	1.2
-9/-10	.0	.8	.0	.0	.0	.0	2	.0	.8
TOTAL	1	42	173	40	3	1	260	2	258
PCT	.4	16.2	66.5	15.4	1.2	.4	100.0	.8	99.2

PERIOD: (OVER-ALL) 1963-1977

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.4	.0	.0	.0	.0	.4
1-2	.0	.9	.4	.0	.0	.0	1.3
3-4	.0	.0	.4	.0	.0	.0	.4
5-6	.0	.0	.4	.0	.0	.0	.4
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	1.3	1.2	.0	.0	.0	2.5

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	1.2	.0	.0	.0	.0	1.2
1-2	.0	5.4	1.6	.0	.0	.0	6.9
3-4	.0	.8	2.0	.0	.0	.0	2.7
5-6	.0	.0	.1	.0	.0	.0	.1
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	7.3	3.7	.0	.0	.0	11.0

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	1.6	.0	.0	.0	1.6
1-2	.5	11.3	6.7	.0	.0	.0	18.5
3-4	.0	4.3	7.7	.4	.0	.0	12.4
5-6	.0	1.0	6.8	.0	.0	.0	7.9
7	.0	.0	1.6	1.3	.5	.0	3.4
8-9	.0	.0	.0	.9	.0	.0	.9
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.5	16.6	24.3	2.6	.5	.0	44.6

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.5	.0	.0	.0	.0	.0	.5
1-2	.0	8.2	1.7	.0	.0	.0	9.9
3-4	.0	1.2	7.7	.7	.0	.0	9.6
5-6	.0	.0	4.2	.5	.0	.0	4.7
7	.0	.0	2.2	2.0	.0	.0	4.2
8-9	.0	.0	1.0	.1	.0	.0	1.2
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.5	9.4	16.9	3.3	.0	.0	30.1

PERIOD: (OVER-ALL) 1963-1977 OCTOBER AREA 0017 TAHITI IS. AND MOOREA IS

TABLE 18 (CONT) 17.2S 152.0W

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

S

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.5	.0	.0	.0	.0	.0	.5
1-2	.0	2.7	1.4	.0	.0	.0	4.2
3-4	.0	.5	.0	.0	.0	.0	.5
5-6	.0	.0	.5	.0	.0	.0	.5
7	.0	.0	.4	.4	.0	.0	.8
8-9	.0	.0	.0	.5	.0	.0	.5
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.5	3.3	2.4	.9	.0	.0	7.1

SW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.8	.1	.0	.0	.0	.9
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.8	.1	.0	.0	.0	.9

W

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	1.6	.0	.0	.0	.0	1.6
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	1.6	.0	.0	.0	.0	1.6

NW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	.0	.0	.0	.0	.0	.0	.0	
1-2	.0	.5	.1	.0	.0	.0	.7	
3-4	.0	.5	.0	.0	.0	.0	.5	
5-6	.0	.0	.0	.0	.0	.0	.0	
7	.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.0	1.0	.1	.0	.0	.0	1.2	99.0

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	2.1	1.6	1.6	.0	.0	.0	5.2	
1-2	1.0	31.3	12.0	.0	.0	.0	44.3	
3-4	.0	7.3	17.7	1.0	.0	.0	26.0	
5-6	.0	1.0	12.0	.5	.0	.0	13.5	
7	.0	.0	4.2	3.6	.5	.0	8.3	
8-9	.0	.0	1.0	1.6	.0	.0	2.6	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	3.1	41.1	48.4	6.8	.5	.0	100.0	192

PERIOD: (OVER-ALL) 1951-1977 TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	.9	8.4	11.5	9.7	5.7	.9	1.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	87	4
6-7	.4	1.3	7.9	9.3	4.8	2.2	1.3	.4	1.3	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	67	6
8-9	.0	.9	1.3	3.1	2.2	4.4	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	29	6
10-11	.0	.9	.9	2.2	1.3	1.3	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	17	6
12-13	.0	.0	1.8	.6	.0	.0	.0	.4	1.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	9	8
>13	.0	.0	.0	.9	.0	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3	7
INDET	.4	.4	2.2	.9	1.3	.0	1.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	15	5
TOTAL	4	27	58	59	35	20	14	2	7	1	0	0	0	0	0	0	0	0	0	227	5
PCT	1.8	11.9	25.6	26.0	15.4	8.8	6.2	.9	3.1	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

NOVEMBER

PERIOD: (PRIMARY) 1942-1977
(OVER-ALL) 1881-1977

AREA 0017 TAHITI IS. AND MOOREA IS
17.1S 151.5W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
N	6.9	.0	.0	.0	.0	.0	.0	6.9	10.9	10.9	.0	.0	.0	.0	.0	71.3
NE	.4	.0	.0	.0	.0	.0	.0	.4	.0	7.5	.0	.0	.0	.0	.0	92.0
E	1.5	1.5	.8	.0	.0	.0	.0	3.8	1.9	.8	.0	.0	.0	.0	.0	93.5
SE	3.0	6.1	.0	.0	.0	.0	.8	9.9	8.7	1.5	1.5	.0	.0	.0	.0	78.3
S	.0	0.0	.0	.0	.0	.0	3.0	9.0	10.4	.0	6.0	.0	.0	.0	.0	74.6
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
NW	17.0	8.5	.0	.0	.0	.0	.0	25.5	2.1	8.5	.0	.0	.0	.0	.0	63.8
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	4.8	4.8	.0	.0	.0	.0	9.5	.0	.0	.0	.0	.0	.0	.0	90.5
TOT PCT	2.3	2.6	.6	.0	.0	.0	.3	5.9	3.8	2.9	.6	.0	.0	.0	.0	86.8
TOT OBS:	341															

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
00&03	1.5	1.5	.0	.0	.0	.0	.0	3.1	3.1	.0	.0	.0	.0	.0	.0	93.8
06&09	2.5	4.2	.0	.0	.0	.0	.8	7.6	5.0	3.4	1.7	.0	.0	.0	.0	82.4
12&15	1.4	.0	.0	.0	.0	.0	.0	1.4	1.4	8.2	.0	.0	.0	.0	.0	89.0
18&21	3.4	3.4	2.3	.0	.0	.0	.0	9.1	4.5	.0	.0	.0	.0	.0	.0	86.4
TOT PCT	2.3	2.6	.6	.0	.0	.0	.3	5.8	3.8	2.9	.6	.0	.0	.0	.0	87.0
TOT OBS:	345															

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	WIND SPEED (KNOTS)									HOUR (GMT)							
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	.2	4.0	2.5	.3	.0	.0		7.0	10.4	12.5	.0	4.1	16.7	3.5	25.0	9.4	.0
NE	1.4	11.3	3.4	.1	.0	.0		16.2	8.3	15.0	40.0	11.6	33.3	27.8	41.7	8.0	40.6
E	3.4	16.9	18.3	.9	.0	.0		39.5	10.8	35.8	55.0	40.3	.0	38.5	29.2	42.3	59.4
SE	.9	9.2	8.8	.9	.0	.0		19.9	11.9	22.5	5.0	23.6	50.0	18.8	4.2	15.3	.0
S	.7	3.0	1.3	.2	.0	.0		5.2	8.6	4.6	.0	7.4	.0	6.9	.0	2.6	.0
SW	.3	1.0	.5	.0	.0	.0		1.8	7.4	3.3	.0	.8	.0	.3	.0	4.0	.0
W	.3	.7	.5	.0	.0	.0		1.5	8.7	1.7	.0	.8	.0	1.4	.0	3.1	.0
NW	.3	2.2	.7	.0	.0	.0		3.2	8.0	2.9	.0	3.7	.0	2.8	.0	4.0	.0
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	5.6							5.6	.0	1.7	.0	7.8	.0	.0	.0	11.4	.0
TOT OBS	49	181	135	9	0	0	374		9.7	60	5	129	6	72	6	88	8
TOT PCT	13.1	48.4	36.1	2.4	.0	.0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

	WIND SPEED (KNOTS)								HOUR (GMT)			
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	06 09	12 15	18 21
N	1.8	4.1	1.0	.0	.0		7.0	10.4	11.5	4.6	5.1	8.6
NE	5.9	9.8	.5	.0	.0		16.2	8.3	16.9	12.6	28.8	10.7
E	8.2	26.5	4.7	.0	.0		39.5	10.8	37.3	38.5	37.8	43.8
SE	3.1	13.3	2.9	.5	.0		19.9	11.9	21.2	24.8	17.6	14.1
S	2.1	2.7	.4	.0	.0		5.2	8.6	4.2	7.0	6.4	2.3
SW	.7	1.1	.0	.0	.0		1.8	7.4	3.1	.7	.3	3.6
W	1.0	.3	.3	.0	.0		1.5	8.7	1.5	.7	1.3	2.9
NW	1.4	1.7	.1	.0	.0		3.2	8.0	2.7	3.5	2.6	3.6
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	5.6						5.6	.0	1.5	7.4	.0	10.4
TOT OBS	112	223	37	2	0	374		9.7	65	135	78	96
TOT PCT	29.9	59.6	9.9	.5	.0		100.0		100.0	100.0	100.0	100.0

PERIOD: (PRIMARY) 1942-1977
(OVER-ALL) 1881-1977

AREA 0017 TAHITI IS. AND MOOREA IS
17.1S 151.5W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS) 1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00&04	1.5	3.1	50.8	41.5	3.1	.0	.0	10.6	100.0	65
06&09	7.4	9.6	49.6	31.1	2.2	.0	.0	8.8	100.0	135
12&15	.0	2.6	53.8	43.6	.0	.0	.0	11.0	100.0	78
18&21	10.4	11.5	40.6	33.3	4.2	.0	.0	9.2	100.0	96
TOT	21	28	181	135	9	0	0	9.7		374
PCT	5.6	7.5	48.4	36.1	2.4	.0	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	.0	1.4	6.5	2.5		6.0
NE	4.6	4.2	8.9	2.3		4.5
E	7.5	12.0	12.0	4.8		4.4
SE	3.6	4.3	8.0	3.9		5.2
S	1.3	1.7	1.5	.8		4.5
SW	.1	.7	.9	.0		4.5
W	.0	.3	.9	.4		6.2
NW	.4	.6	1.8	.7		5.2
VAR	.0	.0	.0	.0		.0
CALM	.4	.4	.4	.0		3.6
TOT OBS	41	58	93	35	227	4.8
TOT PCT	18.1	25.6	41.0	15.4	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT,NH >4/8) AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

WND DIR	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	TOTAL OBS
N	.0	.0	1.2	.0	1.5	.8	.0	.0	.0	.0	6.9	
NE	.0	.0	.0	.9	.0	1.4	.0	.0	.0	.0	17.7	
E	.0	.0	.8	2.8	3.0	.9	.0	.0	.0	.0	29.0	
SE	.0	.0	1.0	3.1	2.4	2.3	.0	.0	.0	.0	11.0	
S	.0	.0	.0	.8	.8	.8	.0	.0	.0	.0	3.0	
SW	.0	.0	.0	.0	.0	.9	.0	.0	.0	.0	.8	
W	.0	.0	.0	.4	.0	.0	.0	.0	.0	.0	1.2	
NW	.4	.0	.1	.4	.2	.0	.0	.0	.0	.0	2.2	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.3	
TOT OBS	1	0	7	19	18	16	0	0	0	0	166	227
TOT PCT	.4	.0	3.1	8.4	7.9	7.0	.0	.0	.0	.0	73.1	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) * OR >10	* OR >5	* OR >2	* OR >1	* OR >1/2	* OR >1/4	* OR >50YD	* OR >0
* OR >6500	.0	.0	.0	.0	.0	.0	.0	.0
* OR >4000	.0	.0	.0	.0	.0	.0	.0	.0
* OR >3500	.0	.0	.0	.0	.0	.0	.0	.0
* OR >2000	5.3	6.1	7.0	7.0	7.0	7.0	7.0	7.0
* OR >1000	11.0	13.6	14.5	14.5	14.5	14.5	14.5	14.9
* OR >600	17.1	21.5	22.4	22.8	22.8	22.8	22.8	23.2
* OR >300	18.9	24.1	25.4	25.9	25.9	25.9	25.9	26.3
* OR >150	18.9	24.1	25.4	25.9	25.9	25.9	25.9	26.3
* OR > 0	18.9	24.1	25.4	26.3	26.3	26.3	26.3	26.8
TOTAL	43	55	58	60	60	60	60	61

TOTAL NUMBER OF OBS: 228

PCT FREQ NH <5/8: 73.2

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8 OBSCD	TOTAL OBS
3.6	12.4	23.1	23.5	10.0	6.4	7.2	4.8	9.2	.0	251

NOVEMBER

PERIOD: (PRIMARY) 1942-1977
(OVER-ALL) 1881-1977

AREA 0017 TAHITI IS. AND MOOREA IS
17.1S 151.5W

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.3	.0	.0	.1	.1	.0	.0	.0	.0	.0	.6	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.3	.0	.0	.1	.1	.0	.0	.0	.0	.0	.6	
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	PCP	.0	.0	.0	.0	.0	.0	.0	.3	.0	.0	.3	
	NO PCP	.0	.0	.2	.1	.0	.0	.0	.0	.0	.0	.3	
	TOT %	.0	.0	.2	.1	.0	.0	.0	.3	.0	.0	.6	
2<5	PCP	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.3	
	NO PCP	.0	.6	.2	.4	.2	.0	.0	.3	.0	.0	1.8	
	TOT %	.2	.7	.2	.4	.2	.0	.0	.3	.0	.0	2.1	
5<10	PCP	.0	.0	.9	1.2	.0	.0	.0	.3	.0	.3	2.6	
	NO PCP	1.3	1.9	3.4	2.5	.8	.6	.0	.3	.0	.3	11.1	
	TOT %	1.3	1.9	4.3	3.7	.8	.6	.0	.6	.0	.6	13.8	
10+	PCP	.0	.0	.6	.6	.3	.0	.0	.3	.0	.3	2.1	
	NO PCP	5.6	14.0	33.2	14.4	3.4	1.4	1.7	2.0	.0	5.3	80.9	
	TOT %	5.6	14.0	33.8	15.0	3.7	1.4	1.7	2.3	.0	5.6	83.0	
	TOT OBS												341
	TOT PCT	7.4	16.6	38.6	19.3	4.9	2.0	1.7	3.4	.0	6.2	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.1	.1	.0	.0	.0	.0		.3	
	22+	.3	.0	.0	.0	.0	.0	.0	.0	.0		.3	
	TOT %	.3	.0	.0	.1	.1	.0	.0	.0	.0	.0	.6	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.2	.1	.0	.0	.0	.3	.0		.6	
	11-21	.0	.0	.2	.1	.0	.0	.0	.0	.0		.3	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.4	.1	.0	.0	.0	.3	.0	.0	.9	
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.6	.2	.4	.2	.0	.0	.3	.0		1.7	
	11-21	.2	.1	.0	.0	.0	.0	.0	.0	.0		.3	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.2	.7	.2	.4	.2	.0	.0	.3	.0	.0	2.0	
5<10	0-3	.0	.6	.0	.0	.3	.0	.0	.0	.0	.6	1.5	
	4-10	.5	.9	1.5	1.7	.0	.6	.0	.6	.0		5.8	
	11-21	.8	.4	2.8	1.7	.5	.0	.0	.0	.0		6.1	
	22+	.0	.0	.0	.3	.0	.0	.0	.0	.0		.3	
	TOT %	1.3	1.9	4.3	3.6	.8	.6	.0	.6	.0	.6	13.7	
10+	0-3	.2	.9	3.7	1.0	.2	.3	.3	.3	.0	5.5	12.5	
	4-10	3.6	9.9	14.6	6.6	2.8	.5	.8	1.2	.0		39.9	
	11-21	1.7	2.9	14.7	6.9	.5	.6	.6	.8	.0		28.6	
	22+	.0	.1	.9	.4	.2	.0	.0	.0	.0		1.7	
	TOT %	5.5	13.9	33.9	14.9	3.7	1.4	1.7	2.3	.0	5.5	82.8	
	TOT OBS												343
	TOT PCT	7.4	16.5	38.8	19.2	4.9	2.0	1.7	3.4	.0	6.1	100.0	

NOVEMBER

PERIOD: (PRIMARY) 1942-1977
(OVER-ALL) 1881-1977

AREA 0017 TAHITI IS. AND MOOREA IS
17.1S 151.5W

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET,NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00&03	.0	.0	3.1	6.3	14.1	7.8	.0	.0	.0	.0	31.3	68.8	64
06&09	1.5	.0	4.5	3.0	6.1	9.1	.0	.0	.0	.0	24.2	75.8	66
12&15	.0	.0	1.5	10.4	1.5	7.5	.0	.0	.0	.0	20.9	79.1	67
18&21	.0	.0	2.2	13.0	8.7	.0	.0	.0	.0	.0	23.9	76.1	46
TOT	1	0	7	19	18	16	0	0	0	0	61	182	243
PCT	.4	.0	2.9	7.8	7.4	6.6	.0	.0	.0	.0	25.1	74.9	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00&03	1.5	.0	.0	.0	9.2	89.2	65
06&09	.8	.0	1.7	4.2	17.5	75.8	120
12&15	.0	.0	.0	1.4	16.4	82.2	73
18&21	.0	.0	1.1	1.1	10.1	87.6	89
TOT	2	0	3	7	48	287	347
PCT	.6	.0	.9	2.0	13.8	82.7	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET,NH >4/8),BY HOUR

HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL OBS
00&03	1.6	4.8	11.3	21.0	67.7	62
06&09	1.6	6.5	11.3	14.5	74.2	62
12&15	.0	1.7	15.3	8.5	76.3	59
18&21	.0	2.2	17.8	8.9	73.3	45
TOT	2	9	31	31	166	228
PCT	.9	3.9	13.6	13.6	72.8	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
90/94	.0	.0	.0	.0	.0	.3	.0	.0	1	.3
85/89	.0	.0	.0	.0	.0	2.4	1.2	.0	12	3.5
80/84	.0	.0	.0	.0	4.1	23.8	26.5	6.2	206	60.6
75/79	.0	.0	.0	.0	.6	8.8	18.8	5.3	114	33.5
70/74	.0	.0	.0	.0	.0	.0	.3	1.8	7	2.1
TOTAL	0	0	0	0	16	120	159	45	340	100.0
PCT	.0	.0	.0	.0	4.7	35.3	46.8	13.2		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
.0	.0	.3	.0	.0	.0	.0	.0	.0	.0
.3	.3	.6	.7	.2	.0	.0	.0	.0	1.5
5.7	11.2	25.4	7.5	2.0	1.6	1.4	2.1	.0	3.8
1.4	4.6	12.8	10.0	2.3	.4	.3	.9	.0	.9
.3	.1	.8	.9	.0	.0	.0	.0	.0	.0
7.6	16.2	39.9	19.0	4.5	2.0	1.7	2.9	.0	6.2

TABLE 15

MEANS,EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00&03	92	91	85	82	77	74	74	81.8	68
06&09	88	87	84	80	76	73	71	80.0	136
12&15	82	81	81	78	76	71	71	78.5	78
18&21	87	85	83	80	76	75	75	80.4	96
TOT	92	86	84	80	76	74	71	80.1	378

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00&03	.0	.0	14.9	50.7	28.4	6.0	77	67
06&09	.0	.0	1.8	27.4	54.9	15.9	83	113
12&15	.0	.0	1.3	46.7	46.7	5.3	80	75
18&21	.0	.0	3.4	24.1	50.6	21.8	84	87
TOT	0	0	16	121	160	45	81	342

NOVEMBER

PERIOD: (PRIMARY) 1942-1977
(OVER-ALL) 1881-1977

AREA 0017 TAHITI IS. AND MOOREA IS
17.1S 151.5W

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	69 72	73 76	77 80	81 84	85 88	89 92	TOT	W FOG	WO FOG
9/10	.0	.0	.0	.0	.0	.4	1	.0	.4
7/8	.0	.0	.4	.4	.0	.0	2	.0	.8
6	.0	.0	.0	.4	.0	.0	1	.0	.4
5	.0	.0	.0	1.2	.0	.0	3	.0	1.2
4	.0	.0	.0	.4	1.2	.0	4	.0	1.6
3	.0	.0	.0	3.1	.4	.0	9	.0	3.5
2	.0	.0	.8	5.4	.0	.0	16	.0	6.2
1	.0	1.2	3.5	5.4	.4	.0	27	.0	10.5
0	.0	.0	11.7	9.3	.0	.0	54	.0	21.0
-1	.0	.0	13.6	5.4	.0	.0	49	.4	18.7
-2	.0	.0	6.6	5.8	.0	.0	32	.0	12.5
-3	.0	.4	7.0	1.9	.0	.0	24	.4	8.9
-4	.0	1.2	1.9	.4	.0	.0	9	.0	3.5
-5	.0	1.2	4.7	.4	.0	.0	16	.0	6.2
-6	.0	.4	1.2	.0	.0	.0	4	.0	1.6
-7/-8	.0	1.2	.0	.0	.0	.0	3	.0	1.2
-9/-10	.4	.4	.0	.0	.0	.0	2	.0	.8
-11/-13	.0	.0	.4	.0	.0	.0	1	.0	.4
TOTAL	1	15	133	102	5	1	257	2	255
PCT	.4	5.8	51.8	39.7	1.9	.4	100.0	.8	99.2

PERIOD: (OVER-ALL) 1963-1977

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	2.7	.0	.0	.0	.0	2.7
1-2	.0	2.4	1.3	.0	.0	.0	3.7
3-4	.0	.9	1.7	.0	.0	.0	2.6
5-6	.0	.0	.4	.0	.0	.0	.4
7	.0	.0	.0	.5	.0	.0	.5
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	6.0	3.3	.5	.0	.0	9.9

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	1.0	6.5	.0	.0	.0	.0	7.6
1-2	.5	8.6	3.1	.0	.0	.0	12.2
3-4	.0	2.3	1.4	.1	.0	.0	3.8
5-6	.0	.0	1.2	.0	.0	.0	1.2
7	.0	.0	.0	.1	.0	.0	.1
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.5	17.4	5.6	.3	.0	.0	24.9

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.9	3.6	.5	.0	.0	.0	5.0
1-2	.5	6.2	4.1	.0	.0	.0	10.8
3-4	.0	3.1	7.6	.4	.0	.0	11.0
5-6	.0	.0	5.6	.0	.0	.0	5.6
7	.0	.0	1.8	.9	.0	.0	2.7
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.4	12.8	19.6	1.3	.0	.0	35.1

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.3	.5	.0	.0	.0	.0	.8
1-2	.0	2.6	1.8	.0	.0	.0	4.4
3-4	.0	3.3	2.6	.0	.0	.0	5.9
5-6	.0	.5	4.6	.5	.0	.0	5.6
7	.0	.0	.8	.0	.0	.0	.8
8-9	.0	.0	.5	.0	.0	.0	.5
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.3	6.9	10.3	.5	.0	.0	17.9

PERIOD: (OVER-ALL) 1964-1977

NOVEMBER

TABLE 18 (CONT)

AREA 0017 TAHITI IS. AND MOOREA IS
17.1S 151.5W

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

S

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.4	.0	.0	.0	.0	.0	.4
1-2	.0	2.9	.5	.0	.0	.0	3.5
3-4	.0	.5	.0	.0	.0	.0	.5
5-6	.0	.0	.4	.0	.0	.0	.4
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.4	3.5	.9	.0	.0	.0	4.7

SW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.8	1.0	.0	.0	.0	1.8
3-4	.0	.1	.0	.0	.0	.0	.1
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.9	1.0	.0	.0	.0	1.9

W

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.5	.0	.0	.0	.0	.5
3-4	.0	.4	.0	.0	.0	.0	.4
5-6	.0	.0	.5	.0	.0	.0	.5
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.9	.5	.0	.0	.0	1.4

NW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	.0	.0	.0	.0	.0	.0	.0	
1-2	.0	.6	.0	.0	.0	.0	.6	
3-4	.0	.1	1.2	.0	.0	.0	1.3	
5-6	.0	.5	.1	.0	.0	.0	.6	
7	.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.0	1.3	1.3	.0	.0	.0	2.6	98.5

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	4.1	13.3	.5	.0	.0	.0	17.9	
1-2	1.5	24.5	11.7	.0	.0	.0	37.8	
3-4	.0	10.7	14.3	.5	.0	.0	25.5	
5-6	.0	1.0	12.8	.5	.0	.0	14.3	
7	.0	.0	2.6	1.5	.0	.0	4.1	
8-9	.0	.0	.5	.0	.0	.0	.5	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	5.6	49.5	42.3	2.6	.0	.0	100.0	196

PERIOD: (OVER-ALL) 1951-1977

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	1.4	9.6	13.3	10.1	1.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	79	3
6-7	.0	3.2	8.7	9.6	4.1	1.4	1.4	.0	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	63	5
8-9	.0	2.3	3.7	4.1	1.8	1.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	30	5
10-11	.0	.9	3.7	4.6	1.4	1.8	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	28	5
12-13	.0	.0	2.8	.9	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	9	4
>13	.0	.0	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	5
INDET	.9	.5	.5	1.4	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	8	3
TOTAL	5	36	71	68	21	12	4	0	0	1	0	0	0	0	0	0	0	0	0	218	4
PCT	2.3	16.5	32.6	31.2	9.6	5.5	1.8	.0	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

DECEMBER

PERIOD: (PRIMARY) 1942-1977
(OVER-ALL) 1866-1977

AREA 0017 TAHITI IS. AND MOOREA IS
17.1S 152.2W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

	PRECIPITATION TYPE									OTHER WEATHER PHENOMENA					
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
N	21.7	8.7	.0	.0	.0	.0	.0	30.4	7.6	.0	.0	.0	.0	.0	.0	62.0
NE	12.0	2.4	.0	.0	.0	.0	.0	14.4	2.4	.6	.0	.0	.0	.0	.0	82.6
E	7.1	.0	.9	.0	.0	.0	.0	8.0	1.9	2.6	.0	.0	.0	.0	.0	89.4
SE	2.7	.0	.0	.0	.0	.0	.0	2.7	1.1	2.2	2.2	.0	.0	.0	.0	91.9
S	10.3	.0	.0	.0	.0	.0	.0	10.3	5.1	.0	.0	.0	.0	.0	.0	84.6
SW	.0	22.2	.0	.0	.0	.0	.0	22.2	.0	.0	.0	.0	.0	.0	.0	77.8
W	.0	10.3	7.7	.0	.0	.0	.0	17.9	.0	.0	.0	.0	.0	.0	.0	82.1
NW	16.7	10.3	1.3	.0	.0	.0	.0	28.2	1.3	5.1	.0	.0	.0	.0	.0	65.4
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	6.7	.0	.0	.0	.0	.0	.0	6.7	6.7	6.7	.0	.0	.0	.0	.0	80.0
TOT PCT	8.7	2.5	.7	.0	.0	.0	.0	12.0	2.9	2.2	.4	.0	.0	.0	.0	83.7
TOT OBS:	276															

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

	PRECIPITATION TYPE									OTHER WEATHER PHENOMENA					
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
00&03	7.3	1.8	1.8	.0	.0	.0	.0	10.9	3.6	.0	.0	.0	.0	.0	.0	85.5
06&09	8.6	2.2	.0	.0	.0	.0	.0	10.8	3.2	2.2	1.1	.0	.0	.0	.0	82.8
12&15	7.3	3.6	1.8	.0	.0	.0	.0	12.7	7.3	5.5	.0	.0	.0	.0	.0	76.4
18&21	10.0	3.8	.0	.0	.0	.0	.0	13.8	.0	1.3	.0	.0	.0	.0	.0	86.3
TOT PCT	8.5	2.6	.7	.0	.0	.0	.0	12.0	3.2	2.1	.4	.0	.0	.0	.0	83.0
TOT OBS:	283															

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	WIND SPEED (KNOTS)									HOUR (GMT)							
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	1.5	4.3	2.0	.7	.0	.0		8.4	9.1	19.6	18.8	10.0	.0	4.5	.0	1.2	.0
NE	1.6	9.3	4.3	.0	.0	.0		15.1	9.2	17.9	6.3	13.0	.0	19.2	.0	13.0	50.0
E	5.8	17.9	13.7	.0	.0	.0		37.4	9.4	38.8	50.0	33.3	.0	29.9	.0	46.6	37.5
SE	1.7	9.1	6.7	.7	.0	.0		18.1	10.6	14.3	25.0	17.6	100.0	26.3	.0	14.5	12.5
S	1.1	1.3	1.2	.0	.0	.0		3.6	8.1	2.7	.0	6.4	.0	.0	.0	3.4	.0
SW	.7	.3	.7	.0	.0	.0		1.8	7.8	.0	.0	3.2	.0	.0	.0	2.8	.0
W	.9	2.1	.0	.2	.2	.0		3.5	9.3	1.3	.0	4.7	.0	5.8	.0	2.2	.0
NW	.7	2.9	2.9	.4	.1	.0		7.0	12.0	5.4	.0	5.9	.0	8.9	.0	9.0	.0
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	5.0							5.0	.0	.0	.0	5.9	.0	5.4	.0	7.4	.0
TOT OBS	57	143	95	6	1	0	302		9.2	56	4	102	1	56	0	81	2
TOT PCT	18.9	47.4	31.5	2.0	.3	.0		100.0		100.0	100.0	100.0	100.0	100.0	.0	100.0	100.0

TABLE 3A

	WIND SPEED (KNOTS)								HOUR (GMT)			
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	06 09	12 15	18 21
N	4.4	2.8	.9	.3	.0		8.4	9.1	19.6	10.0	4.5	1.2
NE	5.3	8.8	1.1	.0	.0		15.1	9.2	17.1	12.9	19.2	13.9
E	12.3	21.9	3.2	.0	.0		37.4	9.4	39.6	33.0	29.9	46.4
SE	5.0	10.2	3.0	.0	.0		18.1	10.6	15.0	18.4	26.3	14.5
S	2.1	.8	.7	.0	.0		3.6	8.1	2.5	6.3	.0	3.3
SW	.8	1.0	.0	.0	.0		1.8	7.8	.0	3.2	.0	2.7
W	2.4	.6	.2	.0	.2		3.5	9.3	1.3	4.6	5.8	2.1
NW	2.5	2.6	1.8	.0	.1		7.0	12.0	5.0	5.8	8.9	8.7
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	5.0						5.0	.0	.0	5.8	5.4	7.2
TOT OBS	120	147	33	1	1	302		9.2	60	103	56	83
TOT PCT	39.7	48.7	10.9	.3	.3		100.0		100.0	100.0	100.0	100.0

DECEMBER

PERIOD: (PRIMARY) 1942-1977
(UVER-ALL) 1866-1977

AREA 0017 TAHITI IS. AND MOOREA IS
17.1S 152.2W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS) 1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00&03	.0	6.7	51.7	40.0	1.7	.0	.0	10.6	100.0	60
06&09	5.8	16.5	51.5	23.3	2.9	.0	.0	8.3	100.0	103
12&15	5.4	7.1	51.8	33.9	1.8	.0	.0	10.0	100.0	56
18&21	7.2	20.5	36.1	33.7	1.2	1.2	.0	8.8	100.0	83
TOT	15	42	143	95	6	1	0	9.2		302
PCT	5.0	13.9	47.4	31.5	2.0	.3	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	.0	1.6	4.1	1.4		5.9
NE	1.4	3.8	7.4	5.0		5.6
E	6.8	10.4	11.6	6.3		4.6
SE	2.7	6.7	5.4	3.6		4.5
S	.4	.7	2.3	1.7		5.8
SW	.0	1.1	.3	.6		4.6
W	1.0	.0	.4	1.6		5.4
NW	.1	1.3	3.7	3.8		6.2
VAR	.0	.0	.0	.0		.0
CALM	1.1	.6	1.1	.0		4.0
TOT OBS	24	46	64	42	176	5.1
TOT PCT	13.6	26.1	36.4	23.9	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT, NH >4/8) AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

WND DIR	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	TOTAL OBS
N	.6	.0	.4	.0	1.6	.0	.0	.0	.0	.0	4.5	
NE	.0	.0	.6	1.1	4.4	.1	.0	.0	.0	.0	11.4	
E	.0	.0	.4	1.7	4.3	1.0	.6	.0	.0	.0	27.1	
SE	.0	.0	.1	1.1	2.1	.6	.0	.0	.0	.0	14.3	
S	.0	.0	.0	.6	1.7	.0	.0	.0	.0	.0	2.8	
SW	.0	.0	.0	.0	.7	.0	.0	.0	.0	.0	1.3	
W	.0	.0	.4	.6	.6	.0	.0	.0	.0	.0	1.4	
NW	.0	.0	1.4	.0	1.7	.6	.6	.0	.0	.0	4.7	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.0	.0	.0	.6	.0	.0	.0	.0	.0	2.3	
TOT OBS	1	0	6	9	31	4	2	0	0	0	123	176
TOT PCT	.6	.0	3.4	5.1	17.6	2.3	1.1	.0	.0	.0	69.9	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) * OR >10	* OR >5	* OR >2	* OR >1	* OR >1/2	* OR >1/4	* OR >50YD	* OR >0
* OR >6500	.0	.0	.0	.0	.0	.0	.0	.0
* OR >5000	.0	.0	.0	.0	.0	.0	.0	.0
* OR >3500	.6	1.1	1.1	1.1	1.1	1.1	1.1	1.1
* OR >2000	2.2	3.3	3.3	3.3	3.3	3.3	3.3	3.3
* OR >1000	16.1	19.4	20.0	20.6	20.6	21.1	21.1	21.1
* OR >600	19.4	24.4	25.0	25.6	25.6	26.1	26.7	26.7
* OR >300	19.4	26.7	28.3	28.9	28.9	29.4	30.0	30.0
* OR >150	19.4	26.7	28.3	28.9	28.9	29.4	30.0	30.0
* OR > 0	19.4	26.7	28.9	29.4	29.4	30.0	30.6	30.6
TOTAL	35	48	52	53	53	54	55	55

TOTAL NUMBER OF OBS: 180 PCT FREQ NH <5/8: 69.4

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8 OBSCD	TOTAL OBS
2.7	9.6	25.0	21.3	11.2	6.4	5.9	3.7	13.8 .5	188

DECEMBER

PERIOD: (PRIMARY) 1942-1977
(OVER-ALL) 1866-1977

AREA 0017 TAHITI IS. AND MOOREA IS
17.1S 152.2W

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.4	.0	.4	.0	.0	.0	.0	.0	.7	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.4	.0	.4	.0	.0	.0	.0	.0	.7	
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.3	.1	.0	.0	.4	
	TOT %	.0	.0	.0	.0	.0	.0	.3	.1	.0	.0	.4	
1<2	PCP	.0	.0	.0	.0	.0	.0	.0	.4	.0	.0	.4	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.4	.0	.0	.4	
2<5	PCP	.6	.0	.0	.4	.0	.0	.0	.5	.0	.0	1.5	
	NO PCP	.0	.0	.0	.5	.2	.0	.0	.0	.0	.0	.7	
	TOT %	.6	.0	.0	.9	.2	.0	.0	.5	.0	.0	2.2	
5<10	PCP	.9	1.3	1.7	.1	.0	.4	.6	.8	.0	.0	5.8	
	NO PCP	1.0	1.3	1.4	3.3	.3	.0	.0	.5	.0	.4	8.0	
	TOT %	1.9	2.5	3.1	3.4	.3	.4	.6	1.3	.0	.4	13.8	
10+	PCP	1.0	.9	1.0	.0	.0	.0	.0	.4	.0	.4	3.6	
	NO PCP	4.8	11.7	34.2	12.6	2.7	1.3	2.6	4.2	.0	4.7	78.9	
	TOT %	5.8	12.6	35.2	12.6	2.7	1.3	2.6	4.5	.0	5.1	82.5	
	TOT OBS												275
	TOT PCT	8.4	15.2	38.6	16.9	3.5	1.6	3.5	6.7	.0	5.5	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.4	.0	.0	.0	.0	.0	.0		.4	
	11-21	.0	.0	.0	.0	.4	.0	.0	.0	.0		.4	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.4	.0	.4	.0	.0	.0	.0	.0	.7	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.3	.1	.0		.4	
	TOT %	.0	.0	.0	.0	.0	.0	.3	.1	.0	.0	.4	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.4	.0		.4	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.4	.0	.0	.4	
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.3	.0	.0	.9	.2	.0	.0	.1	.0		1.5	
	11-21	.0	.0	.0	.0	.0	.0	.0	.4	.0		.4	
	22+	.4	.0	.0	.0	.0	.0	.0	.0	.0		.4	
	TOT %	.6	.0	.0	.9	.2	.0	.0	.5	.0	.0	2.2	
5<10	0-3	.6	.1	.4	.0	.0	.0	.0	.0	.0	.4	1.5	
	4-10	.7	1.5	.7	2.3	.3	.4	.4	.0	.0		6.2	
	11-21	.5	1.0	2.0	1.1	.0	.0	.0	.8	.0		5.5	
	22+	.0	.0	.0	.0	.0	.0	.3	.5	.0		.7	
	TOT %	1.9	2.5	3.1	3.4	.3	.4	.6	1.3	.0	.4	13.8	
10+	0-3	1.0	1.3	6.0	1.8	1.2	.4	1.0	.8	.0	5.1	18.5	
	4-10	2.8	7.6	17.8	9.0	1.0	.2	1.6	2.1	.0		38.2	
	11-21	1.6	3.7	11.4	5.1	.5	.7	.0	1.6	.0		24.7	
	22+	.4	.0	.0	.7	.0	.0	.0	.0	.0		1.1	
	TOT %	5.8	12.6	35.2	12.6	2.7	1.3	2.6	4.5	.0	5.1	82.5	
	TOT OBS												275
	TOT PCT	8.4	15.2	38.6	16.9	3.5	1.6	3.5	6.7	.0	5.5	100.0	

DECEMBER

PERIOD: (PRIMARY) 1942-1977
(OVER-ALL) 1866-1977

AREA 0017 TAHITI IS. AND MOOREA IS
17.1S 152.2W

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00&03	.0	.0	6.0	4.0	12.0	.0	2.0	.0	.0	.0	24.0	76.0	50
06&09	.0	.0	2.1	4.2	22.9	4.2	.0	.0	.0	.0	33.3	66.7	48
12&15	.0	.0	1.9	3.8	19.2	3.8	1.9	.0	.0	.0	30.8	69.2	52
18&21	2.8	.0	2.8	11.1	13.9	.0	.0	.0	.0	.0	30.6	69.4	36
TOT	1	0	6	10	32	4	2	0	0	0	55	131	186
PCT	.5	.0	3.2	5.4	17.2	2.2	1.1	.0	.0	.0	29.6	70.4	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00&03	.0	.0	.0	1.8	10.9	87.3	55
06&09	1.1	.0	.0	2.2	19.4	77.4	93
12&15	.0	.0	.0	.0	11.1	88.9	54
18&21	1.3	1.3	1.3	3.8	11.3	81.3	80
TOT	2	1	1	6	39	233	282
PCT	.7	.4	.4	2.1	13.8	82.6	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET, NH >4/8), BY HOUR

HOUR (GMT)	<150 <5OYD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL OBS
00&03	.0	6.0	10.0	14.0	76.0	50
06&09	.0	4.3	10.6	23.4	66.0	47
12&15	.0	2.1	6.4	27.7	66.0	47
18&21	2.8	8.3	19.4	11.1	69.4	36
TOT	1	9	20	35	125	180
PCT	.6	5.0	11.1	19.4	69.4	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
90/94	.0	.0	.0	.8	.0	.0	.0	.0	2	.8
85/89	.0	.0	.0	.4	3.0	5.6	1.9	.0	29	10.9
80/84	.0	.0	.0	.0	2.3	27.1	24.8	2.6	151	56.8
75/79	.0	.0	.0	.0	.0	6.4	14.7	8.6	79	29.7
70/74	.0	.0	.0	.0	.0	.0	.4	1.5	5	1.9
TOTAL	0	0	0	3	14	104	111	34	266	100.0
PCT	.0	.0	.0	1.1	5.3	39.1	41.7	12.8		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
.0	.8	.0	.0	.0	.0	.0	.0	.0	.0
.8	1.0	6.3	1.3	.0	.0	.0	.0	.0	1.5
2.4	10.2	23.8	8.8	2.4	.5	2.4	3.9	.0	2.3
3.9	4.0	8.2	6.3	.6	.8	.9	3.0	.0	1.9
.0	.0	.8	.4	.4	.0	.3	.1	.0	.0
7.1	16.1	39.0	16.8	3.4	1.3	3.7	7.0	.0	5.6

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00&03	91	90	88	83	77	73	73	83.0	60
06&09	88	86	85	81	76	74	74	80.6	103
12&15	83	82	82	80	77	70	70	79.5	59
18&21	89	88	85	81	76	73	73	80.4	84
TOT	91	89	86	81	77	73	70	80.8	306

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00&03	.0	5.9	17.6	47.1	23.5	5.9	75	51
06&09	.0	.0	2.9	38.6	47.7	11.4	81	88
12&15	.0	.0	1.8	40.4	47.4	10.5	81	57
18&21	.0	.0	2.6	33.8	44.2	19.5	83	77
TOT	0	3	14	107	115	34	81	273

DECEMBER

PERIOD: (PRIMARY) 1942-1977
(OVER-ALL) 1866-1977

TABLE 17

AREA 0017 TAHITI IS. AND MOOREA IS
17.1S 152.2W

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	73 76	77 80	81 84	85 88	TOT	W FOG	WO FOG
14/16	.0	.0	.0	.5	1	.0	.5
7/8	.0	.0	.0	1.0	2	.0	1.0
5	.0	.5	.0	2.0	5	.0	2.5
4	.0	.5	.0	1.0	3	.0	1.5
3	.0	.0	2.0	1.5	7	.0	3.5
2	.0	.0	2.5	1.5	8	.0	4.0
1	.0	.5	6.9	.5	16	.0	7.9
0	.5	5.0	9.4	.0	30	.0	14.9
-1	.0	10.4	12.9	.0	47	.0	23.3
-2	.0	6.9	4.0	.0	22	.0	10.9
-3	.5	7.9	3.0	.0	23	.0	11.4
-4	.5	7.9	1.0	.0	19	.5	8.9
-5	.5	3.5	.0	.0	8	.0	4.0
-6	1.0	2.0	.0	.0	6	.0	3.0
-7/-8	.5	1.0	.0	.0	3	.0	1.5
-9/-10	1.0	.0	.0	.0	2	.0	1.0
TOTAL	9	93	84	16	202	1	201
PCT	4.5	46.0	41.6	7.9	100.0	.5	99.5

PERIOD: (OVER-ALL) 1963-1977

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.7	1.3	.0	.0	.0	.0	2.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	2.2	3.7	.0	.0	.0	5.9
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.7	.0	.0	.7
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.7	3.5	3.7	.7	.0	.0	8.6

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.9	1.8	.0	.0	.0	.0	2.8
1-2	.0	6.3	1.5	.0	.0	.0	7.7
3-4	.0	4.8	3.7	.0	.0	.0	8.5
5-6	.0	.0	2.4	.0	.0	.0	2.4
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.9	12.9	7.5	.0	.0	.0	21.3

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.6	.6	.0	.0	.0	.0	1.1
1-2	.7	6.1	2.2	.0	.0	.0	9.0
3-4	.0	6.3	7.9	.0	.0	.0	14.2
5-6	.0	.7	4.0	.0	.0	.0	4.8
7	.0	.0	1.1	.0	.0	.0	1.1
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.3	13.6	15.3	.0	.0	.0	30.1

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.7	.0	.0	.0	.0	.7
1-2	.9	2.6	.9	.0	.0	.0	4.4
3-4	.0	4.8	3.3	.7	.0	.0	8.8
5-6	.0	.0	.9	.7	.0	.0	1.7
7	.0	.0	2.0	.0	.0	.0	2.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.9	8.1	7.2	1.5	.0	.0	17.6

PERIOD: (OVER-ALL) 1963-1977 DECEMBER AREA 0017 TAHITI IS. AND MOOREA IS 17.1S 152.2W

TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

S

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.6	1.1	.6	.0	.0	.0	2.2
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.6	.0	.0	.0	.6
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.6	1.1	1.1	.0	.0	.0	2.8

SW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.9	.7	.0	.0	.0	1.7
3-4	.0	.0	.7	.0	.0	.0	.7
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.6	.9	1.5	.0	.0	.0	2.4

W

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.6	.0	.0	.0	.0	.0	.6
1-2	.0	1.8	.0	.0	.0	.0	1.8
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.6	.0	.0	.6
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.6	.0	.0	.6
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.6	1.8	.0	.6	.6	.0	3.5

NW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	.2	.0	.0	.0	.0	.0	.2	
1-2	.7	1.8	.0	.0	.0	.0	2.6	
3-4	.0	1.1	2.0	.0	.0	.0	3.1	
5-6	.0	.7	1.5	.0	.0	.0	2.2	
7	.0	.0	1.5	.0	.2	.0	1.7	
8-9	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.2	.0	.0	.2	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.9	3.7	5.0	.2	.2	.0	9.9	96.3

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	6.5	4.3	.0	.0	.0	.0	10.9	
1-2	4.3	20.3	5.8	.0	.0	.0	30.4	
3-4	.0	18.8	21.0	.7	.0	.0	40.6	
5-6	.0	1.4	8.7	.7	.0	.0	10.9	
7	.0	.0	5.1	.7	.7	.0	6.5	
8-9	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.7	.0	.0	.7	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	10.9	44.9	40.6	2.9	.7	.0	100.0	138

PERIOD: (OVER-ALL) 1950-1977

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	3.7	8.0	17.2	6.1	1.8	.0	.0	.0	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	62	3
6-7	.6	.6	6.1	12.3	5.5	2.5	3.1	.6	.6	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	53	6
8-9	.0	.6	1.8	4.3	3.1	1.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	19	6
10-11	.0	.0	.6	.0	1.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4	6
12-13	.0	.0	.6	2.5	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6	5
>13	.0	.0	.0	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2	5
INDET	2.5	.6	5.5	.6	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	17	3
TOTAL	11	16	52	44	23	7	5	1	3	1	0	0	0	0	0	0	0	0	0	163	5
PCT	6.7	9.8	31.9	27.0	14.1	4.3	3.1	.6	1.8	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

ANNUAL

PERIOD: (PRIMARY) 1942-1978
(OVER-ALL) 1866-1978

AREA 0017 TAHITI IS. AND MOOREA IS
17.1S 151.8W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA				
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG	DUST SNOW BLWG	NO SIG WEA
N	7.0	9.3	1.0	.0	.0	.0	.0	14.2	3.7	2.3	.2	.0	.2		.0	79.4
NE	4.0	3.7	.5	.0	.0	.0	.0	8.2	1.6	2.1	.1	.0	.0		.2	87.8
E	2.7	2.0	.4	.0	.0	.0	.0	5.1	2.2	1.4	.3	.0	.0		*	91.1
SE	2.4	2.1	.3	.0	.0	.0	.1	4.8	3.2	1.4	.9	.0	.0		*	89.8
S	2.4	3.2	.5	.0	.0	.0	.2	6.4	4.5	.5	1.6	.0	.0		.0	87.0
SW	6.6	5.1	.6	.0	.0	.0	.0	12.3	5.1	2.4	.4	.0	.0		.0	81.1
W	4.8	7.2	.6	.0	.0	.0	.0	12.6	5.9	.7	.4	.0	.0		.0	80.5
NW	9.0	10.2	2.9	.0	.0	.0	.0	21.7	3.7	2.1	.2	.0	1.0		.3	72.0
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0
CALM	2.1	1.2	.9	.0	.0	.0	.0	4.2	2.7	2.2	.0	.0	.0		.0	90.9
TOT PCT	3.7	3.1	.6	.0	.0	.0	*	7.4	3.0	1.6	.4	.0	*		.1	87.6
TOT OBS:	4226															

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA				
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG	DUST SNOW BLWG	NO SIG WEA
00&03	3.0	2.3	1.0	.0	.0	.0	.0	6.3	4.3	.1	.1	.0	.0		.0	89.3
06&09	4.0	3.2	.5	.0	.0	.0	.1	7.7	2.5	1.9	1.0	.0	.1		.0	86.8
12&15	2.8	3.4	.7	.0	.0	.0	.0	6.9	3.7	3.7	.0	.0	.0		.1	86.4
18&21	4.4	3.2	.6	.0	.0	.0	.0	8.3	2.1	.6	.3	.0	.0		.2	88.3
TOT PCT	3.7	3.1	.6	.0	.0	.0	*	7.4	3.0	1.6	.4	.0	*		.1	87.7
TOT OBS:	4363															

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	WIND SPEED (KNOTS)									HOUR (GMT)							
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	.5	3.0	2.0	.4	*	.0		6.0	10.2	10.1	13.4	4.7	7.2	6.2	3.3	4.8	5.7
NE	1.4	8.9	4.6	.2	.0	*		15.2	9.4	13.9	8.1	15.1	16.7	16.9	13.5	15.4	15.8
E	3.0	19.4	16.0	1.1	.1	.0		39.6	10.5	39.0	32.4	39.6	27.2	34.8	28.9	43.9	36.7
SE	1.2	9.9	8.8	1.6	.1	.0		21.6	11.6	22.1	17.1	22.0	27.3	22.8	21.4	19.3	10.3
S	.7	3.2	1.5	.2	*	.0		5.6	9.0	4.9	6.1	5.6	6.8	6.5	5.2	5.1	6.8
SW	.5	1.1	.6	*	.0	.0		2.2	8.2	2.5	4.0	2.5	2.5	1.9	1.3	1.9	.5
W	.5	1.4	.5	.1	*	.0		2.6	8.3	2.5	.6	3.0	1.0	3.1	3.8	1.8	6.8
NW	.4	1.7	1.4	.2	*	.0		3.8	9.7	4.0	1.0	3.5	2.7	4.4	5.8	3.8	4.2
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	3.3							3.3	.0	1.0	.6	4.1	.0	3.5	.0	4.1	4.9
TOT OBS							4571		10.2	756	70	1480	66	919	58	1167	55
TOT PCT	11.4	48.9	35.5	3.9	.3	*		100.0		100.0	83.3	100.0	91.7	100.0	83.3	100.0	91.7

TABLE 3A

	WIND SPEED (KNOTS)								HOUR (GMT)			
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	06 09	12 15	18 21
N	2.1	2.8	1.0	.1	.0		6.0	10.2	9.9	4.8	6.0	4.9
NE	5.0	8.8	1.3	.1	*		15.2	9.4	13.5	15.0	16.8	15.4
E	10.1	24.3	4.9	.2	.0		39.6	10.5	39.5	39.2	34.9	44.0
SE	4.6	12.1	4.4	.5	.0		21.6	11.6	22.2	22.4	23.0	19.1
S	2.0	2.9	.6	.1	.0		5.6	9.0	5.1	5.8	6.5	5.1
SW	1.1	1.1	.1	*	.0		2.2	8.2	2.7	2.4	1.9	1.8
W	1.3	.9	.3	.0	*		2.6	8.3	2.4	3.0	3.0	1.9
NW	1.3	1.7	.7	.1	*		3.8	9.7	3.8	3.4	4.5	3.7
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	3.3						3.3	.0	1.0	3.9	3.3	4.1
TOT OBS						4571		10.2	826	1546	977	1222
TOT PCT	31.0	54.6	13.3	1.1	*		100.0		100.0	100.0	100.0	100.0

ANNUAL

PERIOD: (PRIMARY) 1942-1978
(OVER-ALL) 1866-1978

AREA 0017 TAHITI IS. AND MOOREA IS
17.1S 151.8W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS) 1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00609	1.0	2.9	46.4	44.3	5.0	.4	.0	11.7	100.0	826
06609	3.9	10.3	51.7	30.9	2.9	.3	.0	9.4	100.0	1546
12615	3.3	3.5	49.7	38.9	4.3	.1	.1	10.8	100.0	977
18621	4.1	12.4	46.5	32.8	4.0	.3	.0	9.6	100.0	1222
TOT								10.2		4571
PCT	3.3	8.1	48.9	35.5	3.9	.3	*		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	1.1	1.0	3.1	1.4		4.7
NE	4.0	4.0	4.5	2.1		4.1
E	11.4	12.0	10.3	3.0		3.8
SE	6.6	7.5	7.5	2.5		4.1
S	1.2	1.6	2.4	.7		4.7
SW	.4	.6	.7	.4		4.6
W	.7	.5	1.0	.5		4.7
NW	.6	.5	1.8	1.3		5.2
VAR	.0	.0	.0	.0		.0
CALM	1.5	.5	.7	.1		2.9
TOT OBS					2746	4.2
TOT PCT	27.6	28.3	31.8	12.2	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT,NH >4/8) AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

WND DIR	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	TOTAL OBS
N	*	*	.2	.2	1.5	.3	*	.0	*	.0	4.5	
NE	*	.0	.2	.9	1.3	.5	.2	*	.0	.0	11.6	
E	*	*	.3	1.7	2.9	1.4	.2	.1	.0	.0	30.0	
SE	*	.1	.3	1.4	2.7	1.6	.2	.1	.0	*	17.6	
S	.1	*	.1	.7	.9	.3	.1	.0	.0	.0	3.7	
SW	*	.0	.1	.2	.3	.2	.1	.0	.0	.0	1.3	
W	.1	.0	.1	.2	.4	.1	.0	.0	.0	.0	1.8	
NW	.1	.0	.2	.3	.7	.2	.2	.0	*	.0	2.4	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.0	*	*	.2	*	.0	.0	*	.0	2.4	
TOT OBS												2746
TOT PCT	.4	.1	1.6	5.5	11.0	4.7	1.0	.2	.1	*	75.3	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) * OR >10	* OR >5	* OR >2	* OR >1	* OR >1/2	* OR >1/4	* OR >50YD	* OR >0
* OR >6500	.1	.1	.1	.1	.1	.1	.1	.1
* OR >5000	.3	.3	.3	.3	.3	.3	.3	.3
* OR >3500	1.1	1.3	1.3	1.3	1.3	1.3	1.3	1.3
* OR >2000	4.1	5.7	6.1	6.1	6.1	6.1	6.1	6.1
* OR >1000	11.5	15.7	16.8	17.0	17.0	17.1	17.1	17.1
* OR >600	14.9	20.7	22.1	22.3	22.5	22.5	22.6	22.6
* OR >300	15.6	22.0	23.5	23.8	23.9	24.1	24.1	24.2
* OR >150	15.7	22.1	23.6	23.9	24.0	24.2	24.3	24.3
* OR > 0	15.8	22.3	23.9	24.3	24.4	24.6	24.7	24.7

TOTAL NUMBER OF OBS: 2799 PCT FREQ NH <5/8: 75.3

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8 OBSCD	TOTAL OBS
3.7	16.5	22.2	20.5	11.8	7.2	5.8	4.2	7.8	.2	2981

ANNUAL

PERIOD: (PRIMARY) 1942-1978
(OVER-ALL) 1866-1978

AREA 0017 TAHITI IS. AND MOOREA IS
17.1S 151.8W

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	*	.0	.1	*	*	*	.0	*	.0	.0	.2	
	NO PCP	.0	.0	.0	*	.0	.0	.0	*	.0	.0	.1	
	TOT %	*	.0	.1	*	*	*	.0	*	.0	.0	.2	
1/2<1	PCP	.0	*	*	*	.0	.0	.0	*	.0	.0	.1	
	NO PCP	.0	.0	.0	.0	.0	.0	*	*	.0	.0	*	
	TOT %	.0	*	*	*	.0	.0	*	*	.0	.0	.1	
1<2	PCP	.0	*	*	*	.0	*	*	.1	.0	*	.2	
	NO PCP	.0	.0	*	.1	.0	.0	.0	*	.0	.0	.1	
	TOT %	.0	*	*	.1	.0	*	*	.1	.0	*	.3	
2<5	PCP	.2	.2	.1	.1	.0	*	.0	.2	.0	.0	.9	
	NO PCP	.1	.1	.4	.2	.2	.1	*	.1	.0	*	1.2	
	TOT %	.4	.3	.5	.3	.2	.1	*	.3	.0	*	2.1	
5<10	PCP	.4	.6	.9	.4	.2	.1	.2	.3	.0	*	3.1	
	NO PCP	.8	1.7	2.8	2.4	.7	.3	.3	.6	.0	.2	9.9	
	TOT %	1.2	2.2	3.7	2.9	1.0	.4	.5	.9	.0	.2	13.0	
10+	PCP	.4	.5	1.0	.4	.1	.1	.1	.2	.0	.1	2.9	
	NO PCP	3.9	12.4	34.5	17.6	4.3	1.5	1.8	2.2	.0	3.1	81.3	
	TOT %	4.3	12.9	35.4	18.1	4.4	1.6	1.9	2.4	.0	3.2	84.2	
	TOT OBS												4218
	TOT PCT	5.9	15.5	39.7	21.4	5.5	2.2	2.5	3.8	.0	3.5	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	*	*	
	4-10	.0	.0	*	.0	.0	.0	.0	.0	.0		*	
	11-21	.0	.0	*	*	*	*	.0	*	.0		.2	
	22+	*	.0	.0	.0	.0	.0	.0	*	.0		*	
	TOT %	*	.0	.1	*	*	*	.0	*	.0	*	.3	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	*	.0		*	
	11-21	.0	*	*	*	.0	.0	.0	.0	.0		.1	
	22+	.0	*	.0	.0	.0	.0	*	*	.0		.1	
	TOT %	.0	*	*	*	.0	.0	*	*	.0	.0	.1	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	*	*	
	4-10	.0	*	*	.1	.0	*	.0	*	.0		.2	
	11-21	.0	.0	*	*	.0	.0	*	.1	.0		.1	
	22+	.0	.0	.0	*	.0	*	*	.0	.0		.1	
	TOT %	.0	*	.1	.1	.0	*	*	.1	.0	*	.4	
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	*	.0	*	*	
	4-10	.1	.1	.2	.2	.1	.1	*	*	.0		1.0	
	11-21	.1	.1	.2	.1	*	*	.0	.2	.0		.7	
	22+	.1	.0	.1	*	.0	.0	.0	.1	.0		.4	
	TOT %	.4	.3	.5	.3	.2	.1	*	.3	.0	*	2.1	
5<10	0-3	.1	.2	.1	.2	.1	.1	*	*	.0	.2	1.0	
	4-10	.4	1.0	1.5	1.1	.4	.2	.3	.3	.0		5.1	
	11-21	.5	1.0	1.9	1.1	.4	.1	.1	.4	.0		5.6	
	22+	.2	.1	.2	.5	.1	.0	.1	.1	.0		1.2	
	TOT %	1.2	2.2	3.7	2.8	1.0	.4	.5	.9	.0	.2	13.0	
10+	0-3	.5	1.3	3.0	1.1	.5	.3	.4	.4	.0	3.2	10.7	
	4-10	2.4	7.9	17.4	8.3	2.7	.8	1.1	1.3	.0		41.9	
	11-21	1.3	3.6	14.0	7.5	1.0	.4	.4	.7	.0		28.9	
	22+	.1	.1	.9	1.2	.2	*	.0	*	.0		2.6	
	TOT %	4.3	12.9	35.4	18.0	4.4	1.6	1.9	2.4	.0	3.2	84.1	
	TOT OBS												4230
	TOT PCT	5.9	15.5	39.7	21.4	5.5	2.2	2.5	3.8	.0	3.5	100.0	

ANNUAL

PERIOD: (PRIMARY) 1942-1978
(OVER-ALL) 1866-1978

AREA 0017 TAHITI IS. AND MOOREA IS
17.1S 151.8W

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00&03	.1	.2	1.2	6.2	12.0	5.7	.6	.1	.0	.0	26.2	73.8	765
06&09	.6	.1	1.5	4.2	10.3	4.4	1.1	.3	.0	.1	22.6	77.4	766
12&15	.2	.0	1.3	5.5	9.7	4.3	1.1	.2	.3	.0	22.7	77.3	877
18&21	.8	.4	2.8	5.3	9.8	4.3	.7	.4	.0	.0	24.6	75.4	516
TOT													2924
PCT	.4	.1	1.6	5.3	10.5	4.7	.9	.2	.1	*	23.9	76.1	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00&03	.4	.1	.3	1.2	10.1	87.9	793
06&09	.3	.0	.4	2.6	15.9	80.9	1461
12&15	.1	.2	.2	2.5	13.8	83.1	957
18&21	.2	.3	.5	1.7	11.0	86.3	1156
TOT							4367
PCT	.2	.1	.4	2.1	13.1	84.0	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET, NH >4/8), BY HOUR

HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL OBS
00&03	.2	1.7	8.6	17.9	73.5	754
06&09	.6	2.5	9.3	15.0	75.7	724
12&15	.2	1.8	9.4	15.2	75.4	827
18&21	.8	4.3	11.6	13.9	74.5	494
TOT						2799
PCT	.4	2.4	9.5	15.7	74.8	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
95/99	.0	.0	.0	.0	*	.0	.0	.0		*
90/94	.0	.0	.0	.1	.2	.1	.1	.1		.6
85/89	.0	.0	.0	.1	1.3	2.8	1.6	.9		6.7
80/84	.0	.0	*	.2	3.6	22.4	19.0	6.8		52.1
75/79	.0	.0	*	.2	2.1	13.3	15.4	7.0		38.0
70/74	.0	.0	.0	.1	.4	.4	.7	.9		2.5
TOTAL									4120	100.0
PCT	.0	.0	.1	.6	7.7	39.1	36.8	15.7		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
*	.0	.0	.0	.0	.0	.0	.0	.0	.0
.0	.2	.3	.1	*	*	.0	.0	.0	*
.4	1.5	3.3	.7	.1	.1	.1	.2	.0	.4
3.6	9.0	22.5	8.8	2.0	1.0	1.3	2.0	.0	1.9
2.1	4.9	13.7	10.0	2.7	1.0	1.0	1.4	.0	1.2
.1	.2	.5	1.2	.4	.1	.1	*	.0	.1
6.2	15.7	40.3	20.7	5.2	2.1	2.5	3.7	.0	3.6

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00&03	95	88	86	82	77	74	70	81.7	835
06&09	95	86	84	80	76	74	71	80.4	1600
12&15	86	82	81	79	76	73	70	78.8	1003
18&21	94	85	84	80	76	73	67	80.1	1260
TOT	95	87	84	80	76	74	67	80.2	4698

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00&03	.0	2.6	19.9	50.7	21.6	5.2	75	785
06&09	.0	.0	4.8	35.8	39.5	20.0	82	1384
12&15	.0	.3	4.7	41.3	43.5	10.3	80	960
18&21	.0	.4	4.6	31.8	38.1	25.1	83	1111
TOT	0	25	317	1643	1536	719	81	4240

ANNUAL

PERIOD: (PRIMARY) 1942-1978
(OVER-ALL) 1866-1978

AREA 0017 TAHITI IS. AND MOOREA IS
17.1S 151.8W

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	69 72	73 76	77 80	81 84	85 88	89 92	>92	TOT	W FOG	WO FOG
14/16	.0	.0	.0	.0	.2	*	.0	6	.0	.2
11/13	.0	.0	.0	.0	*	.0	.0	1	.0	*
9/10	.0	.0	.0	.0	*	.1	*	4	.0	.1
7/8	.0	.0	.1	.1	.2	*	.1	16	.0	.5
6	.0	.0	*	.1	.1	.1	.0	12	.0	.4
5	.0	.0	.2	.2	.3	.1	.0	26	.0	.9
4	.0	.0	.3	.3	.4	.1	.0	35	.0	1.1
3	.0	*	.4	1.1	.6	.0	.0	67	.0	2.1
2	.0	.1	.7	2.6	1.1	.0	.0	140	*	4.4
1	.0	.2	2.2	4.3	.9	.0	.0	241	.1	7.6
0	.0	.4	5.7	7.7	.3	.0	.0	450	*	14.1
-1	.0	.6	10.1	8.5	.2	.0	.0	620	.2	19.2
-2	.0	1.4	8.2	5.3	.1	.0	.0	490	.1	14.9
-3	.0	2.2	7.5	3.2	.1	.0	.0	412	*	12.9
-4	.0	2.1	5.2	2.1	.0	.0	.0	303	*	9.3
-5	.1	1.1	3.6	1.0	*	.0	.0	190	.0	5.8
-6	*	1.0	2.0	.1	.0	.0	.0	98	.0	3.1
-7/-8	.1	.9	.8	*	.0	.0	.0	60	.0	1.8
-9/-10	.1	.5	.1	.1	.0	.0	.0	25	.0	.8
-11/-13	*	.1	*	*	.0	.0	.0	6	.0	.2
TOTAL								3202		
PCT	.4	10.6	47.0	36.9	4.6	.4	.1	100.0	.5	99.5

PERIOD: (OVER-ALL) 1963-1978

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.1	.6	*	.0	.0	.0	.8
1-2	.0	1.6	.6	.0	.0	.0	2.1
3-4	.0	.8	1.1	.3	.0	.0	2.1
5-6	.0	.2	.6	.2	.0	.0	.9
7	.0	.0	.3	.1	.0	.0	.4
8-9	.0	.0	.0	*	.0	.0	*
10-11	.0	.0	*	.1	*	.0	.2
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.1	3.1	2.6	.7	*	.0	6.6

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.4	1.9	.1	.0	.0	.0	2.4
1-2	.2	5.0	1.5	.0	.0	.0	6.7
3-4	.0	2.0	2.1	*	.0	.0	4.1
5-6	.0	.3	1.4	*	.0	.0	1.6
7	.0	.0	.5	.1	.0	.0	.6
8-9	.0	*	.1	*	.0	.0	.2
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	*	.0	.0	*
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	*	*
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.6	9.2	5.7	.2	.0	*	15.7

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.3	1.6	.3	.0	.0	.0	2.2
1-2	.7	9.3	5.7	.0	.0	.0	15.7
3-4	.0	4.3	6.7	.4	.0	.0	11.4
5-6	.0	.5	4.7	.4	.0	.0	5.7
7	.0	*	1.1	.6	.1	.0	1.8
8-9	.0	.1	.2	.1	*	.0	.4
10-11	.0	.0	.2	.1	.0	.0	.3
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.0	15.9	19.0	1.6	.1	.0	37.5

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.2	1.1	.1	.0	.0	.0	1.5
1-2	.4	5.5	2.2	.0	.0	.0	8.1
3-4	*	3.0	3.6	.6	.0	.0	7.2
5-6	.0	.2	2.6	.4	.0	.0	3.1
7	.0	.1	1.4	.6	.0	.0	2.1
8-9	.0	*	.5	.2	.0	.0	.7
10-11	.0	.0	.2	.1	*	.0	.3
12	.0	.0	.0	.2	.0	.0	.2
13-16	.0	.0	.0	.2	*	.0	.2
17-19	.0	.0	.0	*	.0	.0	*
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.1	.0	.0	.1
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.6	9.9	10.6	2.3	.1	.0	23.5

PERIOD: (OVER-ALL) 1963-1978 ANNUAL AREA 0017 TAHITI IS. AND MOOREA IS

TABLE 18 (CONT) 17.1S 151.8W

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

S

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.1	.4	.0	.0	.0	.0	.5
1-2	.1	2.1	.5	.0	.0	.0	2.7
3-4	.0	.6	.6	.0	.0	.0	1.2
5-6	.0	.1	.3	.1	.0	.0	.5
7	.0	.1	.4	.1	.0	.0	.5
8-9	.0	*	.1	*	.0	.0	.1
10-11	.0	.0	*	*	.0	.0	.1
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	*	.0	*
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.1	.0	.0	.1
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.2	3.3	1.9	.3	*	.0	5.7

SW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	*	.1	.0	.0	.0	.0	.2
1-2	.1	.7	.2	.0	.0	.0	1.0
3-4	.0	.3	.2	*	.0	.0	.5
5-6	.0	.1	.4	.0	.0	.0	.4
7	.0	.0	*	.1	.0	.0	.1
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.1	1.1	.8	.1	.0	.0	2.2

W

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.2	.4	.0	.0	.0	.0	.5
1-2	.1	1.0	*	.0	.0	.0	1.1
3-4	.0	.1	*	*	.0	.0	.2
5-6	.0	*	.1	.1	.0	.0	.2
7	.0	.0	*	*	*	.0	.1
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	*	.0	.0	*
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.3	1.5	.2	.2	*	.0	2.2

NW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	*	.2	.0	.0	.0	.0	.2
1-2	.1	1.0	.2	.0	.0	.0	1.3
3-4	.0	.4	.8	.1	.0	.0	1.2
5-6	.0	.2	.4	.2	.0	.0	.8
7	.0	.0	.2	*	*	.0	.2
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	*	.0	.0	*
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.1	1.7	1.6	.3	*	.0	3.8

TOTAL PCT

HGT	TOTAL PCT
<1	.2
1-2	1.3
3-4	1.2
5-6	.8
7	.2
8-9	.0
10-11	.0
12	.0
13-16	*
17-19	.0
20-22	.0
23-25	.0
26-32	.0
33-40	.0
41-48	.0
49-60	.0
61-70	.0
71-86	.0
87+	.0
TOT PCT	97.2

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	4.3	6.3	.6	.0	.0	.0	11.2	
1-2	2.0	26.1	10.8	.0	.0	.0	38.9	
3-4	*	11.5	15.0	1.3	.0	.0	27.9	
5-6	*	1.4	10.4	1.3	.0	.0	13.2	
7	.0	.2	3.9	1.6	.1	.0	5.9	
8-9	.0	.2	.8	.5	*	.0	1.5	
10-11	.0	.0	.4	.3	.1	.0	.8	
12	.0	.0	.0	.2	.0	.0	.2	
13-16	.0	.0	.0	.2	*	.0	.3	
17-19	.0	.0	.0	.1	.0	.0	.1	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	*	*	
26-32	.0	.0	.0	.1	.0	.0	.1	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	6.4	45.7	42.0	5.6	.3	*	100.0	2288

PERIOD: (OVER-ALL) 1949-1977 TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	1.9	10.1	11.8	7.6	2.9	.8	.5	.1	.2	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	950	4
6-7	.1	1.5	6.6	9.1	5.5	2.2	1.0	.3	.4	.1	.0	*	.0	.0	.0	.0	.0	.0	.0	698	5
8-9	.0	.9	3.0	4.7	3.8	1.8	1.2	.6	.5	.1	.0	.0	.1	.0	.0	.0	.0	.0	.0	442	6
10-11	.0	.5	1.2	1.6	1.7	.9	.6	.4	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	188	6
12-13	.0	.0	1.4	.7	.7	.4	.3	.2	.2	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	103	6
>13	.0	.0	.0	.3	.5	.1	.1	.1	.0	.0	*	.0	.1	.0	.0	.0	.0	.0	.0	32	8
INDET	1.3	.7	1.9	2.1	1.4	.4	.4	*	.1	.0	.0	*	.0	.0	.0	.0	.0	.0	.0	225	4
TOTAL																				2638	5
PCT	3.2	13.8	26.0	26.1	16.5	6.5	4.1	1.5	1.6	.3	.1	.1	.1	.0	.0	.0	.0	.0	.0	100.0	

PERIOD: (PRIMARY) 1942-1978
(OVER-ALL) 1866-1978

AREA 0017 TAHITI IS. AND MOOREA IS
17.1S 151.8W

TABLE 20

PERCENT FREQUENCY OF OCCURRENCE OF SEA TEMP (DEG F) BY MONTH

SEA TMP DEG F	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN	PCT
96+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
95/96	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
93/94	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
91/92	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
89/90	.7	.0	.6	.6	.0	.5	.0	.0	.0	.0	.7	.0	9	.3
87/88	1.0	1.8	2.0	2.8	1.3	1.0	.0	.0	.0	.0	.0	.0	31	.9
85/86	11.1	12.5	12.4	21.9	14.1	3.8	.3	.7	1.3	2.5	3.5	3.9	276	7.8
83/84	34.2	43.2	44.8	39.4	33.9	13.9	4.8	1.7	.7	5.5	9.0	26.8	788	22.2
81/82	46.9	33.2	35.3	32.8	43.7	47.4	32.1	19.3	19.2	25.8	45.3	47.8	1259	35.4
79/80	5.2	7.5	3.5	2.2	6.4	26.3	44.4	39.9	47.5	46.2	31.5	18.9	803	22.6
77/78	.7	1.4	1.2	.3	.3	2.9	14.4	29.7	25.6	16.0	6.6	.9	295	8.3
75/76	.3	.4	.3	.0	.3	2.9	3.0	4.4	5.1	3.6	1.7	1.3	66	1.9
73/74	.0	.0	.0	.0	.0	1.5	.9	3.6	.3	.4	1.7	.3	25	.7
71/72	.0	.0	.0	.0	.0	.0	.0	.6	.3	.0	.0	.0	3	.1
69/70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
67/68	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
65/66	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
63/64	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
61/62	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
59/60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
57/58	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
55/56	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
53/54	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
51/52	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
49/50	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
47/48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
45/46	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
43/44	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
41/42	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
39/40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
37/38	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
35/36	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
33/34	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
31/32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
29/30	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
27/28	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
<27	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
TOTAL	307	280	346	320	375	209	333	296	297	275	289	228	3555	100.0
MEAN	82.7	82.8	83.0	83.3	82.7	81.0	79.9	78.8	79.2	79.9	80.7	81.6	81.3	

TABLE 21

PRESSURE (MB)

AVERAGE BY HOUR (GMT)

MO	0000	0300	0600	0900	1200	1500	1800	2100	MEAN	TOTAL OBS
JAN	1010	1010	1011	1012	1010	1012	1011	1012	1010	389
FEB	1010	1005	1010	1009	1011	1009	1011	1009	1010	428
MAR	1011	1011	1011	1013	1012	1011	1011	1014	1011	491
APR	1011	1011	1012	1013	1012	1012	1012	1013	1012	409
MAY	1012	1012	1013	1013	1013	1012	1014	1014	1013	437
JUN	1013	1014	1015	1015	1014		1015	1014	1014	292
JUL	1014	1011	1015	1015	1014	1014	1016	1015	1015	397
AUG	1014	1015	1015	1018	1015	1013	1016	1016	1015	376
SEP	1013		1015		1014	1016	1016		1015	359
OCT	1013		1015	1015	1013	1016	1015	1016	1014	347
NOV	1012	1011	1013	1014	1012	1012	1013	1013	1013	368
DEC	1010	1010	1012	1012	1011		1013	1012	1012	303
ANN	1012	1011	1013	1014	1013	1013	1014	1013	1013	4896
OBS	793	65	1497	67	938	59	1160	57		

PERCENTILES

MO	MIN	1%	5%	25%	50%	75%	95%	99%	MAX
JAN	1004	1004	1006	1009	1010	1013	1015	1016	1017
FEB	1001	1003	1006	1008	1010	1012	1016	1019	1021
MAR	1003	1004	1006	1010	1012	1013	1015	1016	1019
APR	1004	1005	1008	1010	1012	1013	1015	1016	1017
MAY	1001	1005	1009	1012	1013	1014	1017	1018	1019
JUN	1006	1008	1010	1013	1015	1016	1018	1019	1025
JUL	1007	1008	1011	1013	1015	1016	1018	1019	1020
AUG	1006	1009	1011	1014	1015	1017	1018	1019	1020
SEP	1005	1008	1011	1013	1015	1017	1019	1020	1022
OCT	1001	1009	1010	1013	1014	1016	1018	1019	1020
NOV	1004	1006	1009	1011	1013	1014	1016	1018	1021
DEC	998	1002	1006	1010	1012	1014	1016	1018	1019

JANUARY

PERIOD: (PRIMARY) 1961-1978
(OVER-ALL) 1891-1978

AREA 0018 TUAMOTU ARCHIPELAGO
15.8S 144.8W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST BLWG SNOW	ND SIG WEA
N	4.9	3.8	.0	.0	.0	.0	1.4	10.1	8.7	2.1	.0	.0	.0	.0	80.2
NE	7.2	2.7	.2	.0	.0	.0	.0	4.0	6.7	1.9	.4	.0	.0	.0	86.9
E	1.4	1.6	.3	.0	.0	.0	.0	3.3	4.1	3.7	.6	.0	.0	.0	88.7
SE	1.0	3.7	.0	.0	.0	.0	.0	4.7	1.3	2.1	1.0	.0	.0	.0	91.9
S	.0	4.2	.0	.0	.0	.0	.0	4.2	15.3	.0	.0	.0	.0	.0	80.6
SW	.0	.0	10.0	.0	.0	.0	.0	10.0	10.0	.0	.0	.0	.0	.0	80.0
W	21.7	.0	5.8	.0	.0	.0	.0	21.7	5.8	10.1	5.8	.0	.0	.0	66.7
NW	5.3	11.1	.0	.0	.0	.0	.0	16.4	14.8	1.1	.0	.0	.0	.0	68.8
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	10.0	.0	.0	.0	.0	.0	.0	10.0	.0	10.0	.0	.0	.0	.0	80.0
TOT PCT	2.6	3.0	.5	.0	.0	.0	.2	6.0	5.9	2.9	.6	.0	.0	.0	85.4
TOT OBS:	665														

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST BLWG SNOW	ND SIG WEA
00&03	1.1	2.2	.0	.0	.0	.0	.0	3.4	6.3	.0	.0	.0	.0	.0	90.4
06&09	4.5	2.8	.6	.0	.0	.0	.6	8.5	4.0	3.4	1.7	.0	.0	.0	84.7
12&15	5.0	2.5	.6	.0	.0	.0	.0	7.5	6.3	8.8	.0	.0	.0	.0	78.6
18&21	.0	4.1	.6	.0	.0	.0	.0	4.7	6.9	.0	1.2	.0	.0	.0	87.6
TOT PCT	2.6	2.9	.4	.0	.0	.0	.1	6.0	5.7	2.9	.7	.0	.0	.0	85.5
TOT OBS:	683														

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	WIND SPEED (KNOTS)								HOUR (GMT)							
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	.4	4.4	5.3	.6	.0	.0		10.7	12.0	14.9	17.9	7.9	11.1	7.5	9.4	11.4	15.0
NE	.8	11.7	5.9	1.3	.0	.0		19.8	10.6	22.6	23.2	18.6	22.2	17.6	15.6	18.7	35.0
E	1.3	20.5	18.4	.7	.0	.0		40.9	11.0	38.0	26.8	44.3	22.2	45.2	9.4	41.6	20.0
SE	.3	6.1	6.6	.5	.0	.0		13.5	11.9	12.3	10.7	15.4	11.1	12.5	28.1	14.0	6.7
S	.2	1.7	.5	.1	.0	.0		2.5	8.6	3.3	7.1	2.0	22.2	2.1	21.9	.5	.0
SW	.2	.8	.3	.0	.0	.0		1.4	7.4	1.5	1.8	1.2	.0	.6	.0	1.8	6.7
W	.2	1.3	1.0	.0	.0	.0		2.5	9.6	.9	5.4	3.3	.0	1.3	.0	4.8	.0
NW	.3	2.7	3.1	.8	.0	.0		6.9	12.6	5.9	7.1	4.6	11.1	9.3	15.6	6.6	16.7
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	1.8							1.8	.0	.6	.0	2.7	.0	3.8	.0	.6	.0
TOT OBS	40	355	296	30	0	0	721		10.9	169	14	184	9	156	8	166	15
TOT PCT	5.5	49.2	41.1	4.2	.0	.0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

	WIND SPEED (KNOTS)								HOUR (GMT)			
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	06 09	12 15	18 21
N	1.4	7.6	1.6	.1	.0		10.7	12.0	15.2	8.0	7.6	11.7
NE	4.2	13.1	2.1	.3	.0		19.8	10.6	22.7	18.8	17.5	20.0
E	6.1	29.7	4.9	.1	.0		40.9	11.0	37.2	43.3	43.4	39.8
SE	2.5	8.0	3.0	.0	.0		13.5	11.9	12.2	15.2	13.3	13.4
S	1.1	1.3	.1	.0	.0		2.5	8.6	3.6	3.0	3.0	.4
SW	.7	.7	.0	.0	.0		1.4	7.4	1.5	1.2	.6	2.2
W	.8	1.8	.0	.0	.0		2.5	9.6	1.2	3.1	1.2	4.4
NW	1.3	3.9	1.7	.0	.0		6.9	12.6	6.0	4.9	9.6	7.5
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	1.8						1.8	.0	.5	2.6	3.7	.6
TOT OBS	143	477	97	4	0	721		10.9	183	193	164	181
TOT PCT	19.8	66.2	13.5	.6	.0		100.0		100.0	100.0	100.0	100.0

JANUARY

PERIOD: (PRIMARY) 1961-1978
(OVER-ALL) 1891-1978

AREA 0018 TUAMOTU ARCHIPELAGO
15.8S 144.8W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS) 1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00&03	.5	2.7	48.6	41.5	6.6	.0	.0	11.7	100.0	183
06&09	2.6	5.7	51.3	35.8	4.7	.0	.0	10.3	100.0	193
12&15	3.7	4.9	47.6	40.9	3.0	.0	.0	10.4	100.0	164
18&21	.6	1.7	49.2	46.4	2.2	.0	.0	11.3	100.0	181
TOT	13	27	355	296	30	0	0	10.9		721
PCT	1.8	3.7	49.2	41.1	4.2	.0	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	2.0	2.2	2.9	3.4		5.3
NE	3.9	5.4	5.2	3.2		4.6
E	10.2	18.0	10.5	3.1		3.9
SE	3.1	6.1	4.7	1.5		4.3
S	.3	1.4	.6	.7		4.8
SW	.2	.5	1.1	.0		4.7
W	.0	.4	.7	.5		6.3
NW	.4	1.4	1.5	3.3		6.4
VAR	.0	.0	.0	.0		.0
CALM	.2	.2	.9	.4		5.7
TOT OBS	114	201	159	91	565	4.5
TOT PCT	20.2	35.6	28.1	16.1	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT,NH >4/8) AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

WND DIR	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	TOTAL OBS
N	.0	.0	.3	1.3	2.2	.4	.2	.0	.0	.0	6.1	
NE	.0	.0	.0	1.2	2.5	1.4	.0	.0	.0	.0	12.6	
E	.0	.0	.4	1.3	3.5	1.9	.0	.0	.0	.2	34.5	
SE	.0	.0	.3	.8	2.0	.9	.0	.0	.0	.0	11.4	
S	.0	.0	.1	.4	.4	.0	.0	.0	.0	.0	2.2	
SW	.0	.0	.0	.2	*	.2	.0	.0	.0	.0	1.3	
W	.0	.0	.3	.3	.4	.0	.0	.0	.0	.0	.6	
NW	.0	.0	.1	1.5	1.5	.6	.0	.2	.0	.0	2.8	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.0	.2	.2	.4	.0	.0	.0	.0	.0	.9	
TOT OBS	0	0	10	40	73	31	1	1	0	1	408	565
TOT PCT	.0	.0	1.8	7.1	12.9	5.5	.2	.2	.0	.2	72.2	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) * OR >10	* OR >5	* OR >2	* OR >1	* OR >1/2	* OR >1/4	* OR >50YD	* OR >0
* OR >6500	.0	.2	.2	.2	.2	.2	.2	.2
* OR >5000	.0	.2	.2	.2	.4	.4	.4	.4
* OR >3500	.2	.4	.4	.4	.5	.5	.5	.5
* OR >2000	2.6	4.6	5.6	5.6	5.8	5.8	5.8	5.8
* OR >1000	10.9	15.3	17.8	18.1	18.5	18.5	18.5	18.5
* OR >600	14.4	20.0	23.6	24.6	25.0	25.5	25.5	25.5
* OR >300	14.6	20.2	24.4	25.8	26.2	27.1	27.2	27.2
* OR >150	14.6	20.2	24.4	25.8	26.2	27.1	27.2	27.2
* OR > 0	14.6	20.2	24.4	25.8	26.2	27.1	27.2	27.2
TOTAL	83	115	139	147	149	154	155	155

TOTAL NUMBER OF OBS: 569 PCT FREQ NH <5/8: 72.8

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8 OBSCD	TOTAL OBS
1.3	11.1	22.6	22.5	12.8	7.1	4.4	4.4	13.8	.0	632

JANUARY

PERIOD: (PRIMARY) 1961-1970
(OVER-ALL) 1851-1970

AREA 0018 TUAMOTU ARCHIPELAGO
15.8S 144.8W

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.3	*	.0	.0	.3	
	NO PCP	.2	.3	.1	.0	.0	.0	.0	.0	.0	.0	.6	
	TOT %	.2	.3	.1	.0	.0	.0	.3	*	.0	.0	.9	
1/2<1	PCP	.3	.0	.0	.0	.0	.0	.0	.2	.0	.0	.5	
	NO PCP	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	
	TOT %	.4	.0	.0	.0	.0	.0	.0	.2	.0	.0	.6	
1<2	PCP	.4	.0	.0	.2	.1	.0	.0	.3	.0	.0	1.1	
	NO PCP	.1	.2	.2	.0	.0	.0	.0	.3	.0	.0	.8	
	TOT %	.5	.2	.2	.2	.1	.0	.0	.6	.0	.0	1.8	
2<5	PCP	.3	.0	.3	.2	.0	.0	.3	.3	.0	.2	1.5	
	NO PCP	.9	1.4	.4	.5	.3	.0	.4	1.2	.0	.0	5.0	
	TOT %	1.2	1.4	.7	.7	.3	.0	.7	1.5	.0	.2	6.5	
5<10	PCP	.1	.5	.3	.2	.0	.0	.0	.2	.0	.0	1.2	
	NO PCP	2.4	2.7	4.6	2.0	.3	.2	.6	1.3	.0	.2	14.2	
	TOT %	2.5	3.2	4.9	2.1	.3	.2	.6	1.4	.0	.2	15.4	
10+	PCP	.0	.3	.7	.2	.0	.2	.0	.2	.0	.0	1.5	
	NO PCP	6.1	14.2	33.2	11.2	2.0	1.2	1.1	3.2	.0	1.2	73.3	
	TOT %	6.1	14.5	34.0	11.3	2.0	1.3	1.1	3.4	.0	1.2	74.8	
	TOT OBS												664
	TOT PCT	10.8	19.6	39.8	14.3	2.7	1.5	2.6	7.1	.0	1.5	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.3	.0	.0	.0	.0	.0	.0	.0		.3	
	11-21	.2	*	.1	.0	.0	.0	.3	*	.0		.6	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.2	.3	.1	.0	.0	.0	.3	*	.0	.0	.9	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.2	.0	.0	.0	.0	.0	.0	.0	.0		.2	
	11-21	.3	.0	.0	.0	.0	.0	.0	*	.0		.3	
	22+	.0	.0	.0	.0	.0	.0	.0	.2	.0		.2	
	TOT %	.4	.0	.0	.0	.0	.0	.0	.2	.0	.0	.6	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.2	.0	.2	.0	.0	.0	.0	.0	.0		.3	
	11-21	.4	*	.0	.2	.0	.0	.0	.2	.0		.8	
	22+	.0	.2	.0	*	.1	.0	.0	.5	.0		.8	
	TOT %	.5	.2	.2	.2	.1	.0	.0	.6	.0	.0	1.8	
2<5	0-3	.0	.0	.0	*	.1	.0	.0	.0	.0	.2	.3	
	4-10	.4	.5	.3	.2	.2	.0	.2	.2	.0		1.8	
	11-21	.5	.6	.4	.5	.0	.0	.5	1.2	.0		3.6	
	22+	.3	.3	.0	.0	.0	.0	.0	.2	.0		.8	
	TOT %	1.2	1.4	.7	.7	.3	.0	.7	1.5	.0	.2	6.5	
5<10	0-3	.0	.2	.2	.0	.0	.0	.2	.2	.0	.2	.8	
	4-10	1.2	2.0	3.0	.9	.0	.0	.3	.5	.0		7.8	
	11-21	1.1	.6	1.7	1.2	.3	.2	.1	.8	.0		6.0	
	22+	.3	.5	.0	.0	.0	.0	.0	.0	.0		.8	
	TOT %	2.5	3.2	4.9	2.1	.3	.2	.6	1.4	.0	.2	15.4	
10+	0-3	.3	.7	.9	.3	.1	.3	.1	.2	.0	1.2	3.9	
	4-10	2.7	8.5	16.0	5.3	1.7	.9	.8	2.1	.0		38.1	
	11-21	3.1	4.6	16.4	5.2	.3	.2	.2	1.1	.0		31.0	
	22+	.0	.6	.7	.5	.0	.0	.0	.0	.0		1.8	
	TOT %	6.1	14.5	34.0	11.3	2.0	1.3	1.1	3.4	.0	1.2	74.8	
	TOT OBS												664
	TOT PCT	10.8	19.6	39.8	14.3	2.7	1.5	2.6	7.1	.0	1.5	100.0	

JANUARY

PERIOD: (PRIMARY) 1961-1978
(OVER-ALL) 1891-1978

AREA 0018 TUAMOTU ARCHIPELAGO
15.8S 144.8W

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET,NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00&03	.0	.0	.6	7.6	19.4	5.9	.0	.6	.0	.0	34.1	65.9	170
06&09	.0	.0	2.9	5.1	8.1	4.4	.0	.0	.0	.0	20.6	79.4	136
12&15	.0	.0	2.0	7.4	9.5	4.1	.0	.0	.0	.7	23.6	76.4	148
18&21	.0	.0	1.4	6.1	10.8	6.1	.7	.0	.0	.0	25.0	75.0	148
TOT	0	0	10	40	74	31	1	1	0	1	158	444	602
PCT	.0	.0	1.7	6.6	12.3	5.1	.2	.2	.0	.2	26.2	73.8	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00&03	.6	1.1	.6	7.3	9.0	81.5	178
06&09	.6	.0	2.3	7.4	20.5	68.8	176
12&15	1.9	.6	3.1	5.0	18.2	71.1	159
18&21	.6	.0	1.2	6.5	16.6	75.1	169
TOT	6	4	12	45	109	506	682
PCT	.9	.6	1.8	6.6	16.0	74.2	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET,NH >4/8), BY HOUR

HOUR (GMT)	<150 <5000	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL OBS
00&03	.0	2.4	14.6	22.6	62.8	164
06&09	.0	3.2	12.9	9.7	77.4	124
12&15	.0	2.9	15.8	12.2	71.9	139
18&21	.0	2.1	12.7	14.8	72.5	142
TOT	0	15	80	87	402	569
PCT	.0	2.6	14.1	15.3	70.7	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
90/94	.0	.0	.0	.5	.0	.2	.0	.0	4	.6
85/89	.0	.0	.0	.2	4.4	4.1	1.1	.0	62	9.7
80/84	.0	.0	.0	.2	6.3	39.6	22.7	2.3	454	71.0
75/79	.0	.0	.0	.0	.3	4.4	7.5	5.8	115	18.0
70/74	.0	.0	.0	.0	.0	.0	.0	.6	4	.6
TOTAL	0	0	0	5	70	308	200	56	639	100.0
PCT	.0	.0	.0	.8	11.0	48.2	31.3	8.8		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
.0	.4	.1	.0	.2	.0	.0	.0	.0	.0
.3	2.6	5.2	.9	.2	.0	.0	.3	.0	.2
7.2	13.9	28.9	11.2	1.6	1.4	1.5	4.1	.0	1.3
2.5	3.4	4.9	2.3	.7	.2	1.0	2.7	.0	.3
.2	.3	.0	.0	.0	.0	.0	.0	.0	.2
10.2	20.6	39.0	14.4	2.7	1.6	2.5	7.1	.0	1.9

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00&03	93	90	88	83	77	75	74	82.8	184
06&09	85	84	84	81	77	73	70	80.9	203
12&15	88	84	82	80	77	75	73	80.0	168
18&21	89	88	85	82	78	76	75	82.0	185
TOT	93	88	85	81	77	75	70	81.4	740

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00&03	.0	1.7	22.4	45.4	24.7	5.7	76	174
06&09	.0	.0	5.7	50.3	36.5	7.5	79	199
12&15	.0	.0	4.4	46.5	33.3	15.7	81	159
18&21	.0	1.2	11.0	51.8	30.5	5.5	77	164
TOT	0	5	73	318	204	56	78	656

JANUARY

PERIOD: (PRIMARY) 1961-1978
(OVER-ALL) 1891-1978

AREA 0018 TUAMOTU ARCHIPELAGO
15.8S 144.8W

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00&03	.0	.0	.6	7.6	19.4	5.9	.0	.6	.0	.0	34.1	65.9	170
06&09	.0	.0	2.9	5.1	8.1	4.4	.0	.0	.0	.0	20.6	79.4	136
12&15	.0	.0	2.0	7.4	9.5	4.1	.0	.0	.0	.7	23.6	76.4	148
18&21	.0	.0	1.4	6.1	10.8	6.1	.7	.0	.0	.0	25.0	75.0	148
TOT	0	0	10	40	74	31	1	1	0	1	158	444	602
PCT	.0	.0	1.7	6.6	12.3	5.1	.2	.2	.0	.2	26.2	73.8	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00&03	.6	1.1	.6	7.3	9.0	81.5	178
06&09	.6	.0	2.3	7.4	20.5	68.8	176
12&15	1.9	.6	3.1	5.0	18.2	71.1	159
18&21	.6	.0	1.2	6.5	16.6	75.1	169
TOT	6	4	12	45	109	506	682
PCT	.9	.6	1.8	6.6	16.0	74.2	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET, NH >4/8), BY HOUR

HOUR (GMT)	<150 <50VSBY	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL OBS
00&03	.0	2.4	14.6	22.6	62.8	164
06&09	.0	3.2	12.9	9.7	77.4	124
12&15	.0	2.9	15.8	12.2	71.9	139
18&21	.0	2.1	12.7	14.8	72.5	142
TOT	0	15	80	87	402	569
PCT	.0	2.6	14.1	15.3	70.7	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
90/94	.0	.0	.0	.5	.0	.2	.0	.0	4	.6
85/89	.0	.0	.0	.2	4.4	4.1	1.1	.0	62	9.7
80/84	.0	.0	.0	.2	6.3	39.6	22.7	2.3	454	71.0
75/79	.0	.0	.0	.0	.3	4.4	7.5	5.8	115	18.0
70/74	.0	.0	.0	.0	.0	.0	.0	.6	4	.6
TOTAL	0	0	0	5	70	308	200	56	639	100.0
PCT	.0	.0	.0	.8	11.0	48.2	31.3	8.8		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
.0	.4	.1	.0	.2	.0	.0	.0	.0	.0
.3	2.6	5.2	.9	.2	.0	.0	.3	.0	.2
7.2	13.9	28.9	11.2	1.6	1.4	1.5	4.1	.0	1.3
2.5	3.4	4.9	2.3	.7	.2	1.0	2.7	.0	.3
.2	.3	.0	.0	.0	.0	.0	.0	.0	.2
10.2	20.6	39.0	14.4	2.7	1.6	2.5	7.1	.0	1.9

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00&03	93	90	88	83	77	75	74	82.8	184
06&09	85	84	84	81	77	73	70	80.9	203
12&15	88	84	82	80	77	75	73	80.0	168
18&21	89	88	85	82	78	76	75	82.0	185
TOT	93	88	85	81	77	75	70	81.4	740

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00&03	.0	1.7	22.4	45.4	24.7	5.7	76	174
06&09	.0	.0	5.7	50.3	36.5	7.5	79	159
12&15	.0	.0	4.4	46.5	33.3	15.7	81	159
18&21	.0	1.2	11.0	51.8	30.5	5.5	77	164
TOT	0	5	73	318	204	56	78	656

JANUARY

PERIOD: (PRIMARY) 1961-1978
(OVER-ALL) 1891-1978

AREA 0018 TUAMOTU ARCHIPELAGO
15.8S 144.8W

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	69 72	73 76	77 80	81 84	85 88	89 92	>92	TOT	W FOG	WO FOG
11/13	.0	.0	.0	.2	.0	.0	.0	1	.0	.2
9/10	.0	.0	.0	.0	.0	.2	.0	1	.0	.2
7/8	.0	.0	.0	.2	.0	.2	.0	2	.0	.3
6	.0	.0	.0	.3	.9	.2	.0	9	.0	1.4
5	.0	.0	.0	1.1	1.1	.2	.0	15	.0	2.3
4	.0	.0	.0	1.1	1.1	.2	.2	16	.0	2.4
3	.0	.0	.3	.8	2.0	.0	.0	20	.0	3.0
2	.0	.0	.6	1.5	1.1	.0	.0	21	.0	3.2
1	.0	.0	.8	6.8	1.2	.0	.0	58	.0	8.8
0	.0	.0	1.8	13.5	.9	.0	.0	107	.2	16.1
-1	.0	.2	5.5	15.2	.2	.0	.0	138	.5	20.5
-2	.0	.0	5.0	8.8	.0	.0	.0	91	.2	13.7
-3	.0	.2	5.8	4.9	.0	.0	.0	71	.0	10.8
-4	.0	.6	5.2	2.3	.0	.0	.0	53	.0	8.1
-5	.0	.6	2.4	.9	.0	.0	.0	26	.0	4.0
-6	.0	.5	1.8	.5	.0	.0	.0	18	.0	2.7
-7/-8	.2	.5	.9	.0	.0	.0	.0	10	.0	1.5
-9/-10	.0	.2	.0	.0	.0	.0	.0	1	.0	.2
TOTAL	1	17	198	381	55	5	1	658	5	653
PCT	.2	2.6	30.1	57.9	8.4	.8	.2	100.0	.8	99.2

PERIOD: (OVER-ALL) 1963-1978

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.7	.0	.0	.0	.0	.7
1-2	.0	3.0	1.8	.0	.0	.0	4.8
3-4	.0	.9	1.2	.0	.0	.0	2.1
5-6	.0	.0	1.1	.2	.0	.0	1.3
7	.0	.0	.3	.3	.0	.0	.6
8-9	.0	.0	.2	.0	.0	.0	.2
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.2	.0	.0	.2
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	4.6	4.5	.7	.0	.0	9.9

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.2	1.8	.0	.0	.0	.0	2.0
1-2	.5	7.8	2.0	.0	.0	.0	10.3
3-4	.0	.9	2.3	.7	.0	.0	3.8
5-6	.0	.3	1.4	.8	.0	.0	2.5
7	.0	.0	.2	.3	.0	.0	.5
8-9	.0	.2	.0	.0	.0	.0	.2
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.7	11.0	5.8	1.8	.0	.0	19.2

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	2.7	.2	.0	.0	.0	2.9
1-2	1.2	10.3	5.3	.0	.0	.0	16.8
3-4	.0	5.1	5.9	.5	.0	.0	11.5
5-6	.0	1.9	6.7	.2	.0	.0	8.8
7	.0	.0	.8	.0	.0	.0	.8
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.2	20.0	19.0	.6	.0	.0	40.7

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.2	1.0	.0	.0	.0	.0	1.2
1-2	.3	4.0	2.3	.0	.0	.0	6.6
3-4	.0	.7	3.6	.4	.0	.0	4.6
5-6	.0	.6	1.7	.3	.0	.0	2.5
7	.0	.0	.8	.0	.0	.0	.8
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.5	6.3	8.4	.6	.0	.0	15.7

PERIOD: (OVER-ALL) 1964-1978

JANUARY

AREA 0018 TUAMOTU ARCHIPELAGO
15.8S 144.8W

TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

	S							SW						
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.1
1-2	.2	1.7	.0	.0	.0	.0	1.9	.0	.7	.4	.0	.0	.0	1.1
3-4	.0	.2	.4	.2	.0	.0	.7	.0	.2	.0	.0	.0	.0	.2
5-6	.0	.0	.2	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.2	1.9	.6	.2	.0	.0	2.7	.0	.9	.5	.0	.0	.0	1.3

	W							NW							TOTAL
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	PCT
<1	.0	.2	.2	.0	.0	.0	.3	.2	.3	.0	.0	.0	.0	.5	
1-2	.2	.5	.4	.0	.0	.0	1.1	.2	1.0	1.1	.0	.0	.0	2.3	
3-4	.0	.0	.2	.0	.0	.0	.2	.0	.7	1.8	.8	.0	.0	3.2	
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	.0	.0	.0	.7	
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.2	.0	.0	.4	
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.0	.0	.0	.3	
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.2	.7	.7	.0	.0	.0	1.5	.4	1.9	4.0	1.0	.0	.0	7.3	98.4

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	3.0	6.6	.4	.0	.0	.0	10.0	
1-2	2.4	28.7	13.2	.0	.0	.0	44.3	
3-4	.0	8.6	15.2	2.4	.0	.0	26.1	
5-6	.0	2.8	11.6	1.4	.0	.0	15.8	
7	.0	.0	2.2	.8	.0	.0	3.0	
8-9	.0	.2	.4	.0	.0	.0	.6	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.2	.0	.0	.2	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
								501
TOT PCT	5.4	46.9	42.9	4.8	.0	.0	100.0	

PERIOD: (OVER-ALL) 1949-1978

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	2.2	11.8	13.7	9.7	1.2	.3	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	226	3
6-7	.2	3.6	9.5	8.8	3.8	1.4	.5	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	162	4
8-9	.0	1.7	5.4	4.7	3.5	.9	.3	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	96	5
10-11	.0	.7	3.5	1.2	.3	.0	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	34	4
12-13	.0	.0	2.1	.3	.7	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	19	4
>13	.0	.0	.0	.5	.2	.0	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0	.0	.0	.0	5	12
INDET	1.2	1.0	1.9	1.2	.7	.0	.2	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0	.0	.0	36	3
TOTAL	21	109	208	153	60	16	6	2	1	1	0	0	0	1	0	0	0	0	0	578	4
PCT	3.6	18.9	36.0	26.5	10.4	2.8	1.0	.3	.2	.2	.0	.0	.0	.2	.0	.0	.0	.0	.0	100.0	

FEBRUARY

PERIOD: (PRIMARY) 1960-1976
(OVER-ALL) 1874-1976

AREA 0018 TUAMOTU ARCHIPELAGO
16.0S 144.3W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG	DUST SNOW	NO SIG WEA
N	5.2	11.6	.0	.0	.0	.0	.0	16.9	2.8	5.6	.0	.0	.0	.0	.0	76.3
NE	2.7	1.7	.0	.0	.0	.0	.0	4.3	5.0	3.9	.8	.0	.0	.0	.0	85.9
E	1.9	1.8	.4	.0	.0	.0	.0	3.7	2.0	4.8	.0	.0	.0	.0	.0	90.0
SE	3.0	3.6	.0	.0	.0	.0	.0	6.6	2.7	7.5	1.2	.0	.0	.0	.0	82.5
S	9.9	4.9	.0	.0	.0	.0	.0	14.8	.0	13.6	.0	.0	.0	.0	.0	76.5
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
W	.0	4.3	6.4	.0	.0	.0	.0	10.6	.0	.0	.0	.0	.0	.0	.0	89.4
NW	7.9	13.4	.8	.0	.0	.0	.0	22.0	3.9	3.1	.0	.0	.0	.0	.0	70.9
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	10.0	.0	.0	.0	.0	.0	.0	10.0	.0	.0	.0	.0	.0	.0	.0	90.0
TOT PCT	3.2	3.7	.3	.0	.0	.0	.0	7.0	2.7	5.1	.3	.0	.0	.0	.0	85.5
TOT OBS:	627															

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG	DUST SNOW	NO SIG WEA
00&03	.6	1.9	.0	.0	.0	.0	.0	2.6	4.5	.0	.0	.0	.0	.0	.0	92.3
06&09	6.6	3.8	.5	.0	.0	.0	.0	10.4	.5	8.8	.5	.0	.0	.0	.0	81.3
12&15	4.1	5.5	.7	.0	.0	.0	.0	10.3	3.4	9.6	.5	.0	.0	.0	.0	77.4
18&21	1.2	3.1	.6	.0	.0	.0	.0	5.0	2.9	.6	1.2	.0	.0	.0	.0	90.7
TOT PCT	3.3	3.6	.5	.0	.0	.0	.0	7.1	2.6	5.0	.5	.0	.0	.0	.0	85.4
TOT OBS:	645															

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	WIND SPEED (KNOTS)									HOUR (GMT)						
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	.8	4.2	4.2	.4	.1	.0		9.6	11.7	9.3	27.8	9.7	12.0	9.9	21.2	7.0	10.9
NE	.7	10.1	7.9	.5	*	.0		19.3	10.9	21.7	2.8	13.4	32.6	17.5	28.8	21.7	29.3
E	.9	20.4	22.7	1.2	.0	.0		45.1	11.6	50.3	41.7	47.1	41.3	44.2	15.4	42.0	43.5
SE	.7	6.4	5.6	.7	.0	.0		13.3	11.1	10.3	2.8	14.1	9.8	16.6	11.5	14.1	10.9
S	.3	2.6	.5	.0	.0	.0		3.4	7.7	2.1	11.1	3.5	.0	3.7	13.5	3.3	4.3
SW	.0	.6	*	.0	.0	.0		.6	6.0	.2	2.8	1.2	4.3	.0	1.9	.2	.0
W	.3	.9	.6	.0	.0	.0		1.9	9.9	.0	8.3	1.9	.0	1.3	5.8	4.0	.0
NW	.4	2.0	1.9	.5	.0	.0		4.9	12.5	5.4	2.8	5.6	.0	3.7	1.9	6.3	1.1
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	1.9							1.9	.0	.7	.0	3.5	.0	3.0	.0	1.3	.0
TOT OBS	40	319	293	22	1	0	675		11.0	153	9	170	23	134	13	150	23
TOT PCT	5.9	47.3	43.4	3.3	.1	.0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

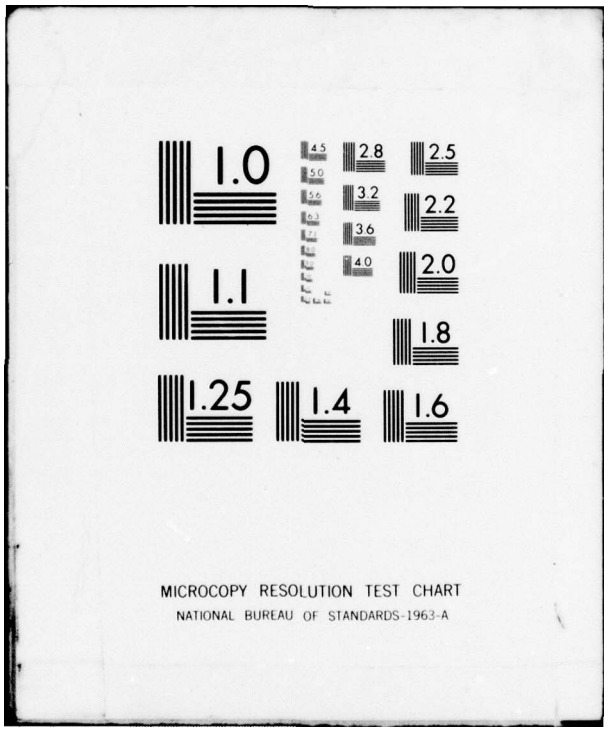
	WIND SPEED (KNOTS)								HOUR (GMT)			
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	06 09	12 15	18 21
N	1.7	5.9	1.7	.3	.0		9.6	11.7	10.3	10.0	10.9	7.5
NE	3.1	14.2	1.7	.2	.0		19.3	10.9	20.7	15.7	18.5	22.7
E	5.3	33.3	6.0	.6	.0		45.1	11.6	49.8	46.4	41.7	42.2
SE	2.7	8.9	1.8	.0	.0		13.3	11.1	9.9	13.6	16.2	13.7
S	1.5	1.7	.1	.0	.0		3.4	7.7	2.6	3.1	4.6	3.5
SW	.5	.1	.0	.0	.0		.6	6.0	.3	1.6	.2	.1
W	.4	1.1	.3	.0	.0		1.9	9.9	.5	1.7	1.7	3.5
NW	.9	2.9	1.1	.1	.0		4.9	12.5	5.2	4.9	3.6	5.6
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	1.9						1.9	.0	.6	3.1	2.7	1.2
TOT OBS	122	459	86	8	0	675		11.0	162	193	147	173
TOT PCT	18.1	68.0	12.7	1.2	.0		100.0		100.0	100.0	100.0	100.0

AD-A073 874 NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE N C F/G 4/2
SUMMARY OF SYNOPTIC METEOROLOGICAL OBSERVATIONS (SSMO) SELECTED--ETC(U)
SEP 79

UNCLASSIFIED NL

2 OF 7
AD
A073874




1.0
1.1
1.25
1.4
1.6
1.8
2.0
2.2
2.5
2.8
3.2
3.6
4.0
4.5
5.0
5.6
6.3
MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS-1963-A

FEBRUARY

PERIOD: (PRIMARY) 1960-1978
(OVER-ALL) 1874-1978

AREA 0018 TUAMOTU ARCHIPELAGO
16.0S 144.3W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS) 1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
0060>	.6	2.5	43.2	50.0	3.1	.6	.0	11.7	100.0	162
0660Y	3.1	2.6	50.3	39.4	4.7	.0	.0	11.1	100.0	193
1261>	2.7	3.4	52.4	39.5	2.0	.0	.0	10.3	100.0	147
1862<	1.2	7.5	43.4	45.1	2.9	.0	.0	10.9	100.0	173
TOT	13	27	319	293	22	1	0	11.0		675
PCT	1.9	4.0	47.3	43.4	3.3	.1	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	1.0	1.7	3.3	3.7		5.9
NE	2.8	5.1	8.9	2.6		4.9
E	10.9	14.5	14.9	5.6		4.3
SE	3.8	2.7	5.3	1.3		4.2
S	.6	.7	1.2	.9		5.1
SW	*	.0	.2	.2		6.1
W	.1	.2	.2	.5		6.0
NW	.6	.5	1.2	2.7		6.2
VAR	.0	.0	.0	.0		.0
CALM	1.0	.6	.4	.0		3.1
TOT OBS	109	136	186	92	523	4.7
TOT PCT	20.8	26.0	35.6	17.6	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT,NH >4/8) AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

WND DIR	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	TOTAL OBS
N	.0	.0	.3	.7	1.5	2.2	.0	.0	.0	.0	5.1	
NE	.0	.4	.5	1.5	2.8	1.3	.2	.0	.0	.0	12.7	
E	.2	.0	.5	1.9	5.8	1.7	.2	.0	.0	.0	35.7	
SE	.0	.0	.2	1.3	1.8	.0	.3	.2	.0	.0	9.4	
S	.0	.0	.0	.3	1.2	.0	.0	.0	.0	.2	1.6	
SW	.0	.0	.0	.0	.5	.0	.0	.0	.0	.0	*	
W	.0	.0	.2	.0	.3	.0	.0	.0	.0	.0	.5	
NW	.0	.0	.2	.5	2.2	.6	.0	.0	.0	.0	1.5	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.0	.0	.0	.2	.0	.0	.0	.0	.0	1.7	
TOT OBS	1	2	10	32	85	30	4	1	0	1	357	523
TOT PCT	.2	.4	1.9	6.1	16.3	5.7	.8	.2	.0	.2	68.3	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) * OR >10	* OR >5	* OR >2	* OR >1	* OR >1/2	* OR >1/4	* OR >50YD	* OR >0
* OR >6500	.4	.4	.4	.4	.4	.4	.4	.4
* OR >5000	.6	.6	.6	.6	.6	.6	.6	.6
* OR >3500	1.3	1.5	1.5	1.5	1.5	1.5	1.5	1.5
* OR >2000	5.1	6.8	7.0	7.0	7.0	7.2	7.2	7.2
* OR >1000	12.1	20.1	22.7	22.7	22.7	22.9	23.3	23.3
* OR >600	16.5	25.9	28.8	28.8	28.8	29.0	29.4	29.4
* OR >300	17.0	27.3	30.3	30.5	30.5	30.7	31.1	31.1
* OR >150	17.0	27.3	30.5	30.9	30.9	31.1	31.4	31.4
* OR > 0	17.0	27.5	30.7	31.1	31.1	31.3	31.6	31.6
TOTAL	90	145	162	164	164	165	167	167

TOTAL NUMBER OF OBS: 528 PCT FREQ NH <5/8: 68.4

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8 OBSCD	TOTAL OBS
1.4	10.2	21.8	22.0	13.0	7.2	7.3	6.5	10.4 .2	586

PERIOD: (PRIMARY) 1960-1978
(OVER-ALL) 1874-1978

AREA 0018 TUAMOTU ARCHIPELAGO
16.0S 144.3W

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.2	.0	.0	.0	.2	.0	.0	.2	.0	.0	.5	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.2	.0	.0	.0	.2	.0	.0	.2	.0	.0	.5	
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.2	.1	.0	.0	.0	.0	.2	.0	.0	.5	
	TOT %	.0	.2	.1	.0	.0	.0	.0	.2	.0	.0	.5	
2<5	PCP	.7	.2	.0	.0	.3	.0	.1	.4	.0	.0	1.6	
	NO PCP	.1	.2	1.4	.2	.4	.4	.0	.2	.0	.0	2.9	
	TOT %	.8	.3	1.4	.2	.8	.4	.1	.6	.0	.0	4.5	
5<10	PCP	.7	.4	.8	.6	.0	.0	.0	.4	.0	.2	3.0	
	NO PCP	1.6	2.6	6.0	4.0	.8	.1	.8	1.7	.0	.0	16.5	
	TOT %	2.3	2.9	6.8	3.6	.8	.1	.8	2.1	.0	.2	19.6	
10+	PCP	.2	.3	.7	.2	.0	.0	.1	.2	.0	.0	1.8	
	NO PCP	6.5	15.5	36.3	9.2	1.6	*	.9	1.9	.0	1.3	73.2	
	TOT %	6.7	15.9	37.0	9.5	1.6	*	1.0	2.1	.0	1.3	75.0	
	TOT OBS												624
	TOT PCT	10.0	19.3	45.3	13.3	3.2	.5	1.9	5.1	.0	1.4	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.4	.1	.0	.2	.0	.0	.0	.0		.6	
	11-21	.2	.2	.2	.0	.0	.0	.0	.2	.0		.8	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.2	.6	.3	.0	.2	.0	.0	.2	.0	.0	1.4	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	0-3	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.2	
	4-10	.0	.0	.0	.0	.0	.2	.0	.0	.0		.2	
	11-21	.0	*	.1	.0	.0	.0	.0	.2	.0		.3	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.2	.1	.0	.0	.2	.0	.2	.0	.0	.6	
2<5	0-3	.0	.0	.0	.0	.2	.0	.0	.0	.0	.0	.2	
	4-10	.1	.0	.4	*	.3	.4	.0	*	.0		1.3	
	11-21	.4	.2	1.0	.2	.3	.0	.1	.3	.0		2.4	
	22+	.2	.2	.0	.0	.0	.0	.0	.2	.0		.6	
	TOT %	.8	.3	1.4	.2	.8	.4	.1	.6	.0	.0	4.4	
5<10	0-3	.0	.0	.2	.2	.0	.0	.2	.0	.0	.2	.6	
	4-10	1.0	1.1	2.5	1.2	.6	*	.3	1.3	.0		8.2	
	11-21	1.3	1.7	3.4	1.6	.1	*	.3	.6	.0		9.0	
	22+	.0	.1	.6	.6	.0	.0	.0	.2	.0		1.4	
	TOT %	2.3	2.9	6.7	3.6	.8	.1	.8	2.1	.0	.2	19.3	
10+	0-3	.7	.6	.8	.4	.1	.0	.2	.4	.0	1.3	4.4	
	4-10	3.3	8.8	17.2	5.0	1.3	*	.7	.8	.0		37.2	
	11-21	2.3	5.9	18.0	3.8	.1	.0	.2	.7	.0		31.1	
	22+	.3	.4	.6	.1	.0	.0	.0	.2	.0		1.4	
	TOT %	6.6	15.7	36.6	9.4	1.5	*	1.0	2.1	.0	1.3	74.2	
	TOT OBS												631
	TOT PCT	9.9	19.7	45.1	13.2	3.2	.6	1.9	5.0	.0	1.4	100.0	

FEBRUARY

PERIOD: (PRIMARY) 1960-1978
(OVER-ALL) 1874-1978

AREA 0018 TUAMOTU ARCHIPELAGO
16.0S 144.3W

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00&03	.0	.7	1.3	8.5	16.3	7.2	.0	.7	.0	.0	34.6	65.4	153
06&09	.0	.0	3.4	4.7	12.1	3.4	.0	.0	.0	.7	24.2	75.8	149
12&15	.8	.8	.8	7.6	15.2	4.5	2.3	.0	.0	.8	32.6	67.4	132
18&21	.0	.0	1.5	1.5	16.9	5.9	1.5	.0	.0	.0	27.2	72.8	136
TOT	1	2	10	32	86	30	5	1	0	2	169	401	570
PCT	.2	.4	1.8	5.6	15.1	5.3	.9	.2	.0	.4	29.6	70.4	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00&03	.0	.0	1.3	3.8	9.0	85.9	156
06&09	1.1	.0	.5	4.4	27.3	66.7	183
12&15	.7	.0	.7	7.5	23.8	67.3	147
18&21	3.7	.0	.0	3.1	18.4	74.8	163
TOT	9	0	4	30	129	477	649
PCT	1.4	.0	.6	4.6	19.9	73.5	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET, NH >4/8), BY HOUR

HOUR (GMT)	<150 <5OVO	<600 <1	<1000 <3	1000+ AND5+	NH <5/8 AND 5+	TOTAL OBS
00&03	.0	2.0	14.1	22.1	63.8	149
06&09	.0	4.4	12.5	15.4	72.1	136
12&15	.8	2.5	16.0	21.0	63.0	119
18&21	.0	2.4	7.3	21.8	71.0	124
TOT	1	15	66	106	356	528
PCT	.2	2.8	12.5	20.1	67.4	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
90/94	.0	.0	.0	.2	.5	.5	.0	.0	7	1.1
85/89	.0	.0	.0	.2	3.2	5.9	1.3	.5	69	11.0
80/84	.0	.0	.0	.0	3.8	39.0	26.8	2.2	451	71.8
75/79	.0	.0	.0	.0	.2	3.2	7.8	4.8	100	15.9
70/74	.0	.0	.0	.0	.0	.0	.2	.0	1	.2
TOTAL	0	0	0	2	48	305	226	47	628	100.0
PCT	.0	.0	.0	.3	7.6	48.6	36.0	7.5		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

	N	NE	E	SE	S	SW	W	NW	VAR	CALM
	.3	.2	.4	.2	.0	.0	.0	.0	.0	.0
	.8	2.3	5.0	1.3	.6	.1	.3	.5	.0	.0
	6.1	14.1	34.4	9.2	2.0	.5	1.1	2.7	.0	1.6
	2.6	2.1	6.1	2.5	.8	*	.4	1.3	.0	.0
	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0
	9.8	18.8	46.1	13.2	3.5	.6	1.8	4.6	.0	1.6

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00&03	94	92	89	83	79	77	76	84.7	164
06&09	86	84	84	81	78	75	75	81.1	198
12&15	87	86	84	81	77	75	75	80.3	153
18&21	90	88	86	82	79	77	73	82.0	177
TOT	94	89	86	82	78	75	73	81.8	692

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00&03	.0	1.3	18.8	58.8	17.5	3.8	75	160
06&09	.0	.0	3.5	45.1	43.4	8.1	80	173
12&15	.0	.0	.0	38.7	49.3	12.0	82	150
18&21	.0	.0	8.1	50.0	35.0	6.9	79	160
TOT	0	2	49	310	233	49	79	643

PERIOD: (PRIMARY) 1960-1978
(OVER-ALL) 1874-1978

AREA 0018 TUAMOTU ARCHIPELAGO
16.0S 144.3W

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	73 76	77 80	81 84	85 88	89 92	>92	TOT	W FOG	WO FOG
14/16	.0	.0	.0	.0	.0	.2	1	.0	.2
9/10	.0	.0	.2	.3	.0	.0	3	.0	.5
7/8	.0	.0	.2	.2	.3	.0	4	.2	.5
6	.0	.0	.2	.2	.3	.0	4	.0	.6
5	.0	.0	.3	.3	.5	.0	7	.0	1.1
4	.0	.0	.2	1.3	.2	.0	10	.0	1.6
3	.0	.2	1.6	1.3	.0	.0	19	.0	3.0
2	.2	.3	4.9	2.5	.0	.0	50	.0	7.9
1	.2	.3	8.0	2.1	.0	.0	67	.0	10.6
0	.2	2.2	15.0	.9	.0	.0	116	.2	18.1
-1	.0	4.4	12.5	.5	.0	.0	110	.0	17.4
-2	.0	5.4	9.3	.2	.0	.0	94	.2	14.7
-3	.2	3.6	5.4	.0	.0	.0	58	.0	9.1
-4	.0	3.8	3.5	.0	.0	.0	46	.0	7.3
-5	.3	2.8	.5	.0	.0	.0	23	.0	3.6
-6	.5	1.1	.2	.0	.0	.0	11	.0	1.7
-7/-8	.2	.9	.0	.0	.0	.0	7	.0	1.1
-9/-10	.3	.2	.0	.0	.0	.0	3	.0	.5
-11/-13	.2	.0	.0	.0	.0	.0	1	.0	.2
TOTAL	13	160	391	61	8	1	634	3	631
PCT	2.1	25.2	61.7	9.6	1.3	.2	100.0	.5	99.5

PERIOD: (OVER-ALL) 1968-1978

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.2	.6	.2	.0	.0	.0	1.1
1-2	.0	1.7	1.8	.0	.0	.0	3.5
3-4	.0	.7	.9	.2	.0	.0	1.8
5-6	.0	.5	1.4	.0	.0	.0	2.0
7	.0	.0	.4	.0	.0	.0	.4
8-9	.0	.0	.0	.2	.0	.0	.2
10-11	.0	.0	.0	.2	.0	.0	.2
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.2	3.6	4.7	.5	.0	.0	9.1

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.2	1.1	.0	.0	.0	.0	1.3
1-2	.0	6.0	2.7	.0	.0	.0	8.7
3-4	.2	2.6	3.2	.0	.0	.0	6.0
5-6	.0	1.6	2.5	.3	.0	.0	4.4
7	.0	.0	.5	.0	.0	.0	.5
8-9	.0	.0	.0	.2	.0	.0	.2
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.4	11.3	7.0	.5	.0	.0	21.2

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.2	2.6	.0	.0	.0	.0	2.8
1-2	.6	11.5	8.6	.0	.0	.0	20.8
3-4	.2	2.8	10.7	.2	.0	.0	13.9
5-6	.0	1.2	5.1	.6	.0	.0	7.0
7	.0	.0	1.2	.0	.0	.0	1.2
8-9	.0	.0	.6	.0	.0	.0	.6
10-11	.0	.0	.0	.4	.0	.0	.4
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.0	18.2	26.2	1.3	.0	.0	46.7

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.5	.9	.0	.0	.0	.0	1.3
1-2	.0	2.9	1.3	.0	.0	.0	4.2
3-4	.0	1.1	2.2	.2	.0	.0	3.5
5-6	.0	.2	2.1	.1	.0	.0	2.5
7	.0	.0	1.1	.0	.0	.0	1.1
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.6	.0	.0	.6
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.5	5.0	6.7	1.0	.0	.0	13.2

PERIOD: (OVER-ALL) 1963-1978

FEBRUARY

TABLE 18 (CONT)

AREA 0018 TUAMOTU ARCHIPELAGO
16.0S 144.3W

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

S

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	1.0	.0	.0	.0	.0	1.0
1-2	.2	.7	.2	.0	.0	.0	1.1
3-4	.0	.6	.2	.0	.0	.0	.9
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.2	2.3	.4	.0	.0	.0	2.9

SW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.1	.1	.0	.0	.0	.1
3-4	.0	.1	.0	.0	.0	.0	.1
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.1	.1	.0	.0	.0	.2

W

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.2	.0	.0	.0	.0	.2
3-4	.0	.5	.0	.0	.0	.0	.5
5-6	.0	.2	.2	.0	.0	.0	.4
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.9	.2	.0	.0	.0	1.1

NW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	.2	.2	.0	.0	.0	.0	.4	
1-2	.0	1.3	.2	.0	.0	.0	1.5	
3-4	.0	.5	.3	.2	.0	.0	1.1	
5-6	.0	.1	.3	.0	.0	.0	.4	
7	.0	.0	.3	.0	.0	.0	.3	
8-9	.0	.0	.2	.1	.0	.0	.3	
10-11	.0	.0	.0	.3	.0	.0	.3	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.2	2.1	1.3	.5	.0	.0	4.2	98.5

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	3.0	6.4	.2	.0	.0	.0	9.6	
1-2	.9	24.3	14.9	.0	.0	.0	40.0	
3-4	.4	8.9	17.4	.9	.0	.0	27.7	
5-6	.0	3.8	11.7	1.1	.0	.0	16.6	
7	.0	.0	3.4	.0	.0	.0	3.4	
8-9	.0	.0	.9	.4	.0	.0	1.3	
10-11	.0	.0	.0	1.5	.0	.0	1.5	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	4.3	43.4	48.5	3.8	.0	.0	100.0	470

PERIOD: (OVER-ALL) 1950-1978

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	3.3	12.2	13.4	7.4	2.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	211	3
6-7	.0	1.8	9.0	11.2	5.2	2.2	1.3	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	168	5
8-9	.0	1.1	5.0	3.1	3.7	.7	.4	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	77	5
10-11	.0	.6	2.8	.6	.4	.4	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	27	4
12-13	.0	.0	.9	.2	1.1	.2	.6	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	17	7
>13	.0	.0	.0	.4	.4	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5	7
INDET	1.5	.6	2.4	1.8	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	38	3
TOTAL	26	88	182	134	76	19	15	2	1	0	0	0	0	0	0	0	0	0	0	543	4
PCT	4.8	16.2	33.5	24.7	14.0	3.5	2.8	.4	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

MARCH

PERIOD: (PRIMARY) 1963-1977
(OVER-ALL) 1887-1977

AREA 0018 TUAMOTU ARCHIPELAGO
16.1S 144.2W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

	PRECIPITATION TYPE									OTHER WEATHER PHENOMENA					
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
N	10.2	10.7	.0	.0	.0	.0	.0	20.9	3.1	1.3	.0	.0	.0	.0	.0	74.7
NE	1.7	.2	.0	.0	.0	.0	.0	1.9	3.4	3.4	1.4	.0	.0	.0	.0	89.9
E	.4	2.6	.0	.0	.0	.0	.0	3.0	2.9	3.1	.9	.0	.2	.0	.0	89.9
SE	.9	4.4	.7	.0	.0	.0	.0	6.1	1.8	1.8	1.1	.0	.0	.0	.0	89.2
S	.0	4.5	.0	.0	.0	.0	.0	4.5	.0	.0	3.0	.0	.0	.0	.0	92.5
SW	4.5	.0	.0	.0	.0	.0	.0	4.5	.0	.0	9.1	.0	.0	.0	.0	86.4
W	8.6	.0	.0	.0	.0	.0	.0	8.6	8.4	20.0	.0	.0	.0	.0	.0	62.9
NW	2.1	4.3	.0	.0	.0	.0	.0	6.4	9.6	5.3	.0	.0	.0	.0	.0	78.7
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
TOT PCT	1.5	3.2	.1	.0	.0	.0	.0	4.8	2.9	2.9	1.0	.0	.1	.0	88.2	
TOT OBS:	786															

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

	PRECIPITATION TYPE									OTHER WEATHER PHENOMENA					
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
00603	2.1	4.6	.0	.0	.0	.0	.0	6.7	3.6	.0	1.0	.0	.0	.0	.0	88.7
06609	1.4	2.4	.0	.0	.0	.0	.0	3.8	2.4	4.3	2.4	.0	.5	.0	.0	86.7
12615	2.0	3.4	.5	.0	.0	.0	.0	5.9	4.4	6.9	.0	.0	.0	.0	.0	82.8
18621	1.0	2.6	.0	.0	.0	.0	.0	3.6	1.6	.5	.5	.0	.0	.0	.0	94.3
TOT PCT	1.6	3.2	.1	.0	.0	.0	.0	5.0	3.0	3.0	1.0	.0	.1	.0	88.0	
TOT OBS:	803															

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	WIND SPEED (KNOTS)									HOUR (GMT)							
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	.5	3.1	2.5	.5	.3	.0		6.9	11.9	7.1	14.3	6.1	3.6	8.1	9.2	5.8	7.0
NE	.7	7.4	4.3	.5	*	.0		13.0	10.1	15.2	12.5	13.5	15.5	7.8	25.0	14.3	11.0
E	1.9	22.6	28.5	1.4	.0	.0		54.2	11.7	55.6	28.6	51.1	50.0	54.6	28.9	61.2	56.0
SE	.7	7.5	8.3	1.0	.0	.0		17.5	11.9	15.3	37.5	18.0	14.7	20.5	26.3	13.1	22.0
S	.2	1.3	.8	.0	.0	.0		2.3	8.4	1.9	.0	3.2	8.3	2.2	5.3	1.4	.0
SW	.0	.8	*	.0	.0	.0		.8	5.7	1.1	.0	2.3	.0	.1	.0	.0	.0
W	.4	.4	.5	.0	.0	.0		1.3	9.6	.0	.0	1.8	.0	3.4	.0	.4	.0
NW	.0	1.0	1.7	.2	*	.0		3.0	12.8	2.7	7.1	2.7	6.0	2.2	5.3	3.2	4.0
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	1.0							1.0	.0	1.1	.0	1.5	.0	1.1	.0	.6	.0
TOT OBS	44	366	387	30	3	0	830		11.3	183	44	206	21	185	19	177	25
TOT PCT	5.3	44.1	46.6	3.6	.4	.0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

	WIND SPEED (KNOTS)								HOUR (GMT)			
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	06 09	12 15	18 21
N	1.8	3.8	.7	.5	.0		6.9	11.9	7.6	5.8	8.2	5.9
NE	3.3	8.3	1.1	.3	.0		13.0	10.1	15.0	13.7	9.4	13.9
E	7.0	40.8	6.3	.2	.0		54.2	11.7	53.7	51.0	52.2	40.5
SE	2.8	11.7	3.0	.0	.0		17.5	11.9	16.9	17.8	21.1	14.2
S	.7	1.6	.0	.0	.0		2.3	8.4	1.8	3.6	2.5	1.2
SW	.6	.3	.0	.0	.0		.8	5.7	1.0	2.1	.1	.0
W	.4	.8	.1	.0	.0		1.3	9.6	.0	1.7	3.1	.4
NW	.5	2.0	.2	.3	.0		3.0	12.8	3.0	3.0	2.5	3.3
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	1.0						1.0	.0	1.0	1.3	1.0	.5
TOT OBS	149	575	95	11	0	830		11.3	197	227	204	202
TOT PCT	18.0	69.3	11.4	1.3	.0		100.0		100.0	100.0	100.0	100.0

MARCH

PERIOD: (PRIMARY) 1963-1977
(OVER-ALL) 1887-1977

AREA 0018 TUAMOTU ARCHIPELAGO
16.1S 144.2W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS) 1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00&03	1.0	5.1	40.1	50.8	2.0	1.0	.0	11.4	100.0	197
06&09	1.3	6.6	46.3	42.3	3.5	.0	.0	10.5	100.0	227
12&15	1.0	2.5	44.1	47.5	4.9	.0	.0	11.7	100.0	204
18&21	.5	3.0	43.5	46.5	4.0	.5	.0	11.7	100.0	202
TOT	8	36	366	387	30	3	0	11.3		830
PCT	1.0	4.3	44.1	46.6	3.6	.4	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	1.1	1.0	2.8	2.7		5.6
NE	3.1	3.5	4.6	1.6		4.5
E	17.4	19.1	14.2	4.9		3.8
SE	3.9	8.3	4.3	1.1		3.8
S	.4	.6	.5	.1		3.7
SW	.0	*	.3	.2		6.2
W	.0	.1	.5	.2		6.5
NW	.1	.5	1.2	1.0		6.3
VAR	.0	.0	.0	.0		.0
CALM	.5	.5	.3	.0		3.1
TOT OBS	173	218	188	73	652	4.1
TOT PCT	26.5	33.4	28.8	11.2	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT,NH >4/8) AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

WND DIR	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	TOTAL OBS
N	.1	.0	.0	1.0	2.0	.7	.0	.0	.0	.0	3.8	
NE	.0	.0	.2	.6	.8	1.1	.1	.0	.0	*	10.1	
E	.0	.2	.2	1.3	4.9	1.8	.3	.0	.0	.3	45.9	
SE	.0	.0	*	.3	1.3	.5	.2	.0	.0	.0	15.3	
S	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	1.5	
SW	.0	.0	.0	*	.2	.2	.0	.0	.0	.0	.2	
W	.0	.0	.0	.1	.1	.2	.0	.0	.0	.0	.4	
NW	*	.0	.0	.3	.7	.7	.0	.0	.0	.2	.8	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.2	
TOT OBS	1	1	3	24	65	34	4	0	0	3	517	652
TOT PCT	.2	.2	.5	3.7	10.0	5.2	.6	.0	.0	.5	79.3	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) * OR >10	* OR >5	* OR >2	* OR >1	* OR >1/2	* OR >1/4	* OR >5UYD	* OR >0
* OR >6500	.4	.4	.4	.4	.4	.4	.4	.4
* OR >5000	.4	.4	.4	.4	.4	.4	.4	.4
* OR >3300	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
* OR >2000	4.6	6.1	6.3	6.3	6.3	6.3	6.3	6.3
* OR >1000	10.6	15.4	16.5	16.5	16.5	16.5	16.5	16.5
* OR >600	12.1	18.3	20.1	20.1	20.1	20.1	20.1	20.1
* OR >300	12.6	18.7	20.5	20.7	20.7	20.7	20.7	20.7
* OR >150	12.7	18.9	20.7	20.8	20.8	20.8	20.8	20.8
* OR > 0	12.7	18.9	20.7	20.8	20.8	20.8	20.8	21.0
TOTAL	85	126	138	139	139	139	139	140

TOTAL NUMBER OF OBS: 667 PCT FREQ NH <5/8: 79.0

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8 OBSCD	TOTAL OBS
2.3	13.4	24.6	22.7	15.0	7.7	5.9	2.7	5.7	.1	749

PERIOD: (PRIMARY) 1963-1977
(OVER-ALL) 1887-1977

AREA 0018 TUAMOTU ARCHIPELAGO
16.1S 144.2W

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.1	.0	.0	.0	.0	.0	.0	*	.0	.0	.1	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.1	.0	.0	.0	.0	.0	.0	*	.0	.0	.1	
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	PCP	.3	.1	.1	.1	.0	*	.1	.0	.0	.0	.8	
	NO PCP	.2	.2	1.7	.5	.3	.0	.0	.0	.0	.0	2.9	
	TOT %	.5	.3	1.8	.6	.3	*	.1	.0	.0	.0	3.7	
5<10	PCP	.5	.1	.5	.4	.0	.0	.0	.2	.0	.0	1.8	
	NO PCP	1.7	2.2	6.1	2.4	.2	.1	.3	.5	.0	.0	13.5	
	TOT %	2.3	2.3	6.7	2.8	.2	.1	.3	.7	.0	.0	15.3	
10+	PCP	.6	*	1.0	.5	.1	.0	.0	.0	.0	.0	2.2	
	NO PCP	3.7	10.5	44.9	13.4	1.6	.6	.8	2.3	.0	1.0	78.8	
	TOT %	4.3	10.5	45.9	13.9	1.7	.6	.8	2.3	.0	1.0	80.9	
	TOT OBS												786
	TOT PCT	7.2	13.2	54.4	17.3	2.1	.7	1.1	3.0	.0	1.0	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.1	.0	.0	.0	.0	.0	.0	*	.0		.1	
	TOT %	.1	.0	.0	.0	.0	.0	.0	*	.0	.0	.1	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.1	.1	.2	.1	.1	.0	.0	.0	.0		.6	
	11-21	.4	.2	1.4	.4	.1	*	.1	.0	.0		2.5	
	22+	.0	.1	.3	.1	.0	.0	.0	.0	.0		.5	
	TOT %	.5	.3	1.8	.6	.3	*	.1	.0	.0	.0	3.7	
5<10	0-3	.2	.1	.1	.0	.0	.0	.0	.0	.0	.0	.4	
	4-10	.7	1.0	1.5	.7	.1	.1	.1	.4	.0		4.5	
	11-21	.8	.8	4.9	1.9	.1	.0	.1	*	.0		8.8	
	22+	.6	.4	.2	.2	.0	.0	.0	.3	.0		1.7	
	TOT %	2.3	2.3	6.7	2.8	.2	.1	.3	.7	.0	.0	15.3	
10+	0-3	.3	.6	1.8	.7	.3	.0	.3	.0	.0	1.0	5.0	
	4-10	2.4	6.3	20.1	6.4	.9	.6	.3	.5	.0		37.5	
	11-21	1.4	3.6	23.0	6.0	.6	.0	.2	1.7	.0		36.5	
	22+	.1	*	1.0	.8	.0	.0	.0	.0	.0		1.9	
	TOT %	4.3	10.5	45.9	13.9	1.7	.6	.8	2.3	.0	1.0	80.9	
	TOT OBS												786
	TOT PCT	7.2	13.2	54.4	17.3	2.1	.7	1.1	3.0	.0	1.0	100.0	

MARCH

PERIOD: (PRIMARY) 1963-1977
(OVER-ALL) 1887-1977

AREA 0018 TUAMOTU ARCHIPELAGO
16.1S 144.2W

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00&03	.5	.5	.5	4.4	13.1	4.4	.5	.0	.0	.5	24.6	75.4	183
06&09	.0	.0	.0	1.8	7.6	4.1	.6	.0	.0	.6	14.6	85.4	171
12&15	.0	.0	.5	3.7	11.0	4.2	.5	.0	.0	.5	20.4	79.6	191
18&21	.0	.0	1.1	3.4	5.6	6.7	.6	.0	.0	.0	17.4	82.6	178
TOT	1	1	4	24	68	35	4	0	0	3	140	583	723
PCT	.1	.1	.6	3.3	9.4	4.8	.6	.0	.0	.4	19.4	80.6	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00&03	.5	.0	.0	2.6	10.8	86.2	195
06&09	.0	.0	.0	4.3	16.6	79.1	211
12&15	.0	.0	.0	5.4	18.1	76.5	204
18&21	.0	.0	.5	2.6	14.5	82.4	193
TOT	1	0	1	30	121	650	803
PCT	.1	.0	.1	3.7	15.1	80.9	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET, NH >4/8), BY HOUR

HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL OBS
00&03	.6	1.7	7.4	18.8	73.9	176
06&09	.0	.0	3.3	14.6	82.1	151
12&15	.0	.6	7.9	15.2	77.0	178
18&21	.0	1.2	7.4	13.0	79.6	162
TOT	1	6	44	103	520	667
PCT	.1	.9	6.6	15.4	78.0	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
90/94	.0	.0	.0	.1	.1	.1	.0	.0	3	.4
85/89	.0	.0	.0	.3	3.0	5.9	1.3	.4	83	10.9
80/84	.0	.0	.0	.3	4.6	43.5	22.6	5.0	580	75.9
75/79	.0	.0	.0	.0	.0	2.4	6.7	3.4	95	12.4
70/74	.0	.0	.0	.0	.0	.0	.1	.3	3	.4
TOTAL	0	0	0	5	59	396	235	69	764	100.0
PCT	.0	.0	.0	.7	7.7	51.8	30.8	9.0		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
.0	.0	.4	.0	.0	.0	.0	.0	.0	.0
.5	1.5	6.5	1.2	.1	.3	.1	.3	.0	.4
4.5	9.3	42.5	13.7	1.9	.3	.9	2.2	.0	.7
2.0	2.3	4.7	2.7	.1	.1	.1	.4	.0	.0
.2	*	.0	.1	.0	.0	.0	*	.0	.0
7.2	13.1	54.1	17.7	2.1	.7	1.1	2.9	.0	1.0

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00&03	91	90	88	84	79	76	73	83.6	200
06&09	89	87	84	82	79	74	73	81.6	234
12&15	84	83	83	81	78	75	75	80.7	207
18&21	90	89	86	83	79	77	73	82.5	205
TOT	91	89	86	82	78	76	73	82.1	846

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00&03	.0	1.6	17.6	54.9	18.7	7.3	76	193
06&09	.0	1.0	4.6	46.4	39.3	8.7	79	196
12&15	.0	.5	1.5	47.0	38.1	12.9	81	202
18&21	.0	.0	7.4	59.5	25.8	7.4	78	190
TOT	0	6	60	405	239	71	78	781

PERIOD: (PRIMARY) 1963-1977
(OVER-ALL) 1887-1977

AREA 0018 TUAMOTU ARCHIPELAGO
16.1S 144.2W

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	73 76	77 80	81 84	85 88	89 92	TOT	W FOG	WO FOG
11/13	.0	.0	.1	.0	.1	2	.0	.3
7/8	.0	.1	.3	.0	.1	4	.0	.5
6	.0	.0	.4	.3	.3	7	.0	.9
5	.0	.0	.1	.6	.5	10	.0	1.3
4	.0	.0	.8	2.2	.0	23	.0	3.0
3	.0	.1	1.2	1.4	.1	22	.0	2.8
2	.0	.5	4.2	1.8	.0	51	.1	6.4
1	.0	1.0	9.4	1.9	.0	96	.0	12.3
0	.0	.6	17.1	.8	.0	144	.1	18.4
-1	.0	3.7	13.6	.5	.0	139	.4	17.5
-2	.0	5.0	10.3	.4	.0	122	.1	15.5
-3	.1	3.3	4.7	.1	.0	65	.1	8.2
-4	.3	3.0	2.7	.3	.0	48	.1	6.0
-5	.4	1.0	2.2	.1	.0	29	.0	3.7
-6	.0	.9	.1	.0	.0	8	.0	1.0
-7/-8	.3	.5	.0	.0	.0	6	.0	.8
-9/-10	.1	.0	.0	.0	.0	1	.0	.1
-11/-13	.1	.1	.0	.0	.0	2	.0	.3
TOTAL	10	156	523	81	9	779	8	771
PCT	1.3	20.0	67.1	10.4	1.2	100.0	1.0	99.0

PERIOD: (OVER-ALL) 1963-1977

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.2	.4	.0	.0	.0	.0	.6
1-2	.0	1.8	1.3	.0	.0	.0	3.0
3-4	.0	.5	.5	.0	.0	.0	1.0
5-6	.0	.2	.5	.2	.0	.0	.8
7	.0	.2	.3	.0	.0	.0	.5
8-9	.0	.0	.0	.3	.0	.0	.3
10-11	.0	.0	.0	.2	.3	.0	.5
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.2	3.0	2.5	.7	.3	.0	6.6

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.2	.4	.0	.0	.0	.0	.5
1-2	.4	3.4	2.3	.0	.0	.0	6.1
3-4	.0	1.6	1.7	.2	.0	.0	3.5
5-6	.0	.4	.9	.2	.0	.0	1.4
7	.0	.0	.2	.2	.0	.0	.4
8-9	.0	.0	.2	.0	.0	.0	.2
10-11	.0	.0	.0	.2	*	.0	.2
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.6	5.9	5.2	.7	*	.0	12.4

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.3	1.3	.2	.0	.0	.0	1.8
1-2	.7	11.9	10.3	.0	.0	.0	22.9
3-4	.0	6.5	13.1	1.3	.0	.0	20.9
5-6	.0	2.0	7.3	.2	.0	.0	9.5
7	.0	.0	1.5	.3	.0	.0	1.8
8-9	.0	.0	.3	.0	.0	.0	.3
10-11	.0	.0	.1	.0	.0	.0	.1
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.1	21.8	32.8	1.8	.0	.0	57.4

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.2	.9	.2	.0	.0	.0	1.2
1-2	.2	3.4	3.0	.0	.0	.0	6.6
3-4	.0	2.4	3.1	.2	.0	.0	5.7
5-6	.0	.3	1.2	.2	.0	.0	1.7
7	.0	.0	.5	.0	.0	.0	.5
8-9	.0	.0	.2	.3	.0	.0	.5
10-11	.0	.0	*	.3	.0	.0	.4
12	.0	.0	.2	.0	.0	.0	.2
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.3	7.0	8.4	1.0	.0	.0	16.7

PERIOD: (OVER-ALL) 1963-1977

MARCH

AREA 0018 TUAMOTU ARCHIPELAGO
16.1S 144.2W

TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

S

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.2	.3	.0	.0	.0	.0	.5
1-2	.0	.5	.9	.0	.0	.0	1.4
3-4	.0	.1	.0	.0	.0	.0	.1
5-6	.0	.3	.1	.0	.0	.0	.4
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.2	1.2	1.1	.0	.0	.0	2.4

SW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.4	.0	.0	.0	.0	.4
1-2	.0	.2	.0	.0	.0	.0	.2
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.5	.0	.0	.0	.0	.5

W

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.1	.0	.0	.0	.0	.1
1-2	.0	.4	.3	.0	.0	.0	.7
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.3	.3	.0	.0	.0	.9

NW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	.0	.2	.0	.0	.0	.0	.2	
1-2	.0	.4	1.3	.0	.0	.0	1.7	
3-4	.0	.1	.2	.0	.0	.0	.3	
5-6	.0	.0	.2	.0	.0	.0	.2	
7	.0	.0	.0	.2	.0	.0	.2	
8-9	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.0	.7	1.6	.2	.0	.0	2.5	99.3

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	1.8	4.1	.3	.0	.0	.0	6.2	
1-2	1.3	22.4	19.2	.0	.0	.0	42.9	
3-4	.0	11.2	18.4	1.6	.0	.0	31.2	
5-6	.0	3.1	10.1	.7	.0	.0	13.8	
7	.0	.2	2.4	.7	.0	.0	3.3	
8-9	.0	.0	.7	.7	.0	.0	1.3	
10-11	.0	.0	.2	.7	.3	.0	1.1	
12	.0	.0	.2	.0	.0	.0	.2	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	3.1	41.0	51.4	4.2	.3	.0	100.0	615

PERIOD: (OVER-ALL) 1950-1977

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	1.6	12.5	14.3	7.2	1.6	.3	1.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	269	3
6-7	.0	1.1	14.6	8.3	4.9	1.3	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	215	4
8-9	.0	1.3	3.3	5.6	3.2	.6	.3	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100	5
10-11	.0	1.6	.3	1.4	.9	.7	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	36	5
12-13	.0	.0	1.7	.4	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	17	4
>13	.0	.0	.0	.4	.4	.3	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	11	7
INDET	1.1	.9	2.4	1.6	.7	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	49	3
TOTAL	19	121	256	174	83	23	19	1	1	0	0	0	0	0	0	0	0	0	0	897	4
PCT	2.7	17.4	36.7	25.0	11.9	3.3	2.7	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

APRIL

PERIOD: (PRIMARY) 1963-1977
(OVER-ALL) 1897-1977

AREA 0018 TUAMOTU ARCHIPELAGO
16.2S 144.4W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA				
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG	SPRAY JUST BLWG SNOW	NO SIG WEA
N	.0	3.2	.0	.0	.0	.0	.0	3.2	5.0	1.8	1.4	.0	.0	.0	.0	88.6
NE	.9	2.3	.0	.0	.0	.0	.0	3.2	4.6	.9	.2	.0	.0	.0	.0	91.0
E	1.2	1.4	.5	.0	.0	.0	.0	3.3	2.0	1.0	.3	.0	.0	.0	.0	93.4
SE	2.3	2.3	.0	.0	.0	.0	.0	4.6	5.1	.0	.0	.0	.0	.0	.0	90.4
S	.0	3.0	.0	.0	.0	.0	.0	3.0	.0	.0	.0	.0	.0	.0	.0	97.0
SW	.0	3.3	.0	.0	.0	.0	.0	3.3	13.3	.0	.0	.0	.0	.0	.0	83.3
W	6.6	6.6	.0	.0	.0	.0	.0	13.1	4.9	.0	.0	.0	.0	.0	.0	82.0
NW	.0	6.7	.0	.0	.0	.0	.0	6.7	4.2	.0	.0	.0	.0	.0	.0	89.1
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	5.9	.0	.0	.0	.0	.0	.0	94.1
TOT PCT	1.3	2.4	.3	.0	.0	.0	.0	3.8	3.4	.8	.3	.0	.0	.0	.0	91.8
TOT OBS:	797															

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA				
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG	SPRAY JUST BLWG SNOW	NO SIG WEA
00&03	1.0	1.5	.0	.0	.0	.0	.0	2.5	2.8	.0	.0	.0	.0	.0	.0	95.0
06&09	2.6	1.7	.9	.0	.0	.0	.0	4.8	3.9	1.3	.9	.0	.0	.0	.0	89.2
12&15	.5	3.6	.0	.0	.0	.0	.0	4.1	2.1	1.0	.0	.0	.0	.0	.0	92.8
18&21	.5	2.5	.0	.0	.0	.0	.0	3.0	5.0	.5	.5	.0	.0	.0	.0	91.0
TOT PCT	1.2	2.3	.2	.0	.0	.0	.0	3.6	3.4	.7	.4	.0	.0	.0	.0	91.9
TOT OBS:	827															

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	WIND SPEED (KNOTS)									HOUR (GMT)							
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	1.2	4.3	1.6	.0	.0	.0		7.1	7.5	8.2	3.7	8.9	6.5	6.0	10.9	5.2	6.5
NE	.7	8.4	4.6	.0	.0	.0		13.8	9.3	18.2	8.3	9.1	19.4	14.2	6.5	16.2	6.5
E	.2	22.5	24.3	2.2	.0	.0		49.3	12.1	49.4	51.9	49.2	33.9	49.3	50.0	50.6	55.6
SE	.5	6.0	9.9	1.2	.0	.0		17.5	12.6	13.4	13.9	20.4	28.2	20.5	14.1	14.2	19.4
S	.3	1.7	1.1	.0	.0	.0		3.1	9.8	2.0	7.4	2.9	8.1	2.7	4.3	3.7	.0
SW	.2	.7	.2	.0	.0	.0		1.1	7.4	1.4	3.7	.8	.8	.3	.0	1.6	.0
W	.4	.9	.5	.1	.0	.0		1.9	9.9	1.4	10.2	2.2	.0	1.0	.0	2.6	.0
NW	.3	2.3	1.3	.1	.0	.0		4.0	10.0	4.2	.9	4.1	3.2	3.0	14.1	3.0	8.3
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	2.3							2.3	.0	1.7	.0	2.4	.0	3.0	.0	2.9	3.7
TOT OBS	50	388	361	30	0	0	829		11.0	174	27	206	31	167	23	174	27
TOT PCT	6.0	46.8	43.5	3.6	.0	.0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

	WIND SPEED (KNOTS)								HOUR (GMT)			
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	06 09	12 15	18 21
N	3.3	3.5	.3	.0	.0		7.1	7.5	7.6	8.5	6.6	5.3
NE	3.9	9.3	.6	.0	.0		13.8	9.3	16.9	10.4	13.3	14.9
E	5.9	34.9	8.4	.1	.0		49.3	12.1	49.8	47.2	49.3	51.2
SE	2.5	11.3	3.7	.0	.0		17.5	12.6	13.4	21.4	19.7	14.9
S	.7	2.2	.2	.0	.0		3.1	9.8	2.7	3.6	2.9	3.2
SW	.5	.5	*	.0	.0		1.1	7.4	1.7	.8	.3	1.4
W	.9	.6	.4	.0	.0		1.9	9.9	2.6	1.9	.9	2.2
NW	1.1	2.5	.2	.1	.0		4.0	10.0	3.7	4.0	4.3	3.7
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	2.3						2.3	.0	1.5	2.1	2.6	3.0
TOT OBS	175	537	115	2	0	829		11.0	201	237	190	201
TOT PCT	21.1	64.8	13.9	.2	.0		100.0		100.0	100.0	100.0	100.0

APRIL

PERIOD: (PRIMARY) 1963-1977
(OVER-ALL) 1897-1977

AREA 0018 TUAMOTU ARCHIPELAGO
16.2S 144.4W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS) 1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00&03	1.5	4.0	47.8	44.8	2.0	.0	.0	10.9	100.0	201
06&09	2.1	7.2	47.7	38.0	5.1	.0	.0	10.6	100.0	237
12&15	2.6	.5	51.6	41.6	3.7	.0	.0	10.9	100.0	190
18&21	3.0	2.5	40.3	50.7	3.5	.0	.0	11.5	100.0	201
TOT	19	31	388	361	30	0	0	11.0		829
PCT	2.3	3.7	46.8	43.5	3.6	.0	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	4.8	2.4	2.1	.4		3.5
NE	5.4	4.4	3.8	.6		3.4
E	17.4	18.6	10.7	1.5		3.4
SE	5.6	7.2	3.6	1.1		3.5
S	.5	2.0	.9	.1		3.7
SW	.1	.1	.5	*		5.0
W	.3	.8	.6	.4		4.8
NW	.6	1.8	1.4	.2		4.2
VAR	.0	.0	.0	.0		.0
CALM	.9	1.0	.0	.3		3.4
TOT OBS	234	267	164	32	697	3.5
TOT PCT	33.6	38.3	23.5	4.6	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT,NH >4/8) AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

WND DIR	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	TOTAL OBS
N	.0	.0	.0	.1	.1	.3	.3	.0	.0	.0	6.9	
NE	.1	.0	.3	.0	1.0	.1	.2	.0	.0	.0	12.4	
E	.1	.0	.0	1.5	3.3	.9	.6	.1	.0	.0	41.6	
SE	.0	.0	.3	.7	1.0	1.3	.2	.0	.0	.0	14.0	
S	.0	.0	.0	.0	.1	.3	.0	.0	.0	.0	3.2	
SW	.0	.0	.0	.0	*	.2	.0	.0	.0	.0	.5	
W	.0	.0	.1	.4	.0	.1	.0	.0	.0	.0	1.4	
NW	.0	.0	.0	*	.1	.4	.0	.0	.0	.0	3.4	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.0	.0	.1	.1	.0	.0	.0	.0	.0	1.9	
TOT OBS	2	0	5	20	41	25	9	1	0	0	594	697
TOT PCT	.3	.0	.7	2.9	5.9	3.6	1.3	.1	.0	.0	85.2	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) ≥ OR >10	≥ OR >5	≥ OR >2	≥ OR >1	≥ OR >1/2	≥ OR >1/4	≥ OR >50YD	≥ OR >0
≥ OR >6500	.0	.0	.1	.1	.1	.1	.1	.1
≥ OR >5000	.1	.1	.3	.3	.3	.3	.3	.3
≥ OR >3500	.8	1.4	1.5	1.5	1.5	1.5	1.5	1.5
≥ OR >2000	3.5	4.6	5.0	5.0	5.0	5.0	5.0	5.0
≥ OR >1000	8.1	10.4	10.8	10.8	11.0	11.0	11.0	11.0
≥ OR >600	10.2	13.2	13.6	13.6	13.8	13.8	13.8	13.8
≥ OR >300	10.3	13.9	14.3	14.3	14.5	14.5	14.5	14.5
≥ OR >150	10.3	13.9	14.3	14.3	14.5	14.5	14.5	14.5
≥ OR > 0	10.3	14.0	14.5	14.6	14.7	14.7	14.7	14.7
TOTAL	74	101	104	105	106	106	106	106

TOTAL NUMBER OF OBS: 719 PCT FREQ NH <5/8: 85.3

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8 OBSCD	TOTAL OBS
2.3	15.0	28.3	26.4	11.5	7.3	3.4	2.3	2.7	.3	784

APRIL

PERIOD: (PRIMARY) 1963-1977
(OVER-ALL) 1897-1977

AREA 0018 TUAMOTU ARCHIPELAGO
16.2S 144.4W

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	PCP	.0	.0	.1	.1	.0	.0	.0	.0	.0	.0	.3	
	NO PCP	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1	
	TOT %	.0	.1	.1	.1	.0	.0	.0	.0	.0	.0	.4	
1<2	PCP	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.1	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.1	
2<5	PCP	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.1	
	NO PCP	.0	.2	.6	.4	.0	.0	.0	.0	.0	.0	1.1	
	TOT %	.0	.2	.6	.4	.0	.0	.0	.1	.0	.0	1.3	
5<10	PCP	.1	.4	.3	.4	.1	*	.3	.0	.0	.0	1.6	
	NO PCP	.9	2.5	6.4	2.5	.2	.1	.6	.2	.0	.3	13.6	
	TOT %	1.0	2.9	6.7	2.9	.3	.1	.8	.2	.0	.3	15.2	
10+	PCP	.1	*	1.1	.3	.0	.0	.0	.1	.0	.0	1.6	
	NO PCP	5.7	10.4	41.1	14.2	2.9	.8	1.1	3.3	.0	1.9	81.4	
	TOT %	5.8	10.4	42.2	14.5	2.9	.8	1.1	3.4	.0	1.9	83.1	
	TOT OBS												797
	TOT PCT	6.9	13.6	49.7	17.9	3.2	.9	1.9	3.7	.0	2.1	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.1	.0	.0	.0	.0	.0	.0	.0		.1	
	11-21	.0	.0	.1	.0	.0	.0	.0	.0	.0		.1	
	22+	.0	.0	.0	.1	.0	.0	.0	.0	.0		.1	
	TOT %	.0	.1	.1	.1	.0	.0	.0	.0	.0	.0	.4	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.1	.0	.0	.0	.0	.0	.0		.1	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.1	
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.1	.0	.0	.0	.0	.0	.1	.0		.3	
	11-21	.0	*	.5	.4	.0	.0	.0	.0	.0		.9	
	22+	.0	.0	.1	.0	.0	.0	.0	.0	.0		.1	
	TOT %	.0	.2	.6	.4	.0	.0	.0	.1	.0	.0	1.3	
5<10	0-3	.1	.0	.0	.0	.1	*	.1	.2	.0	.3	.8	
	4-10	.6	1.3	.9	.5	.1	*	.3	*	.0		3.9	
	11-21	.3	1.6	4.8	1.9	.1	*	.2	*	.0		9.0	
	22+	.0	.0	.9	.4	.0	.0	.1	.0	.0		1.5	
	TOT %	1.0	2.9	6.7	2.9	.3	.1	.8	.2	.0	.3	15.2	
10+	0-3	1.0	.6	.3	.5	.2	.2	.3	.1	.0	1.9	5.0	
	4-10	3.5	6.8	21.2	5.5	1.6	.5	.5	2.2	.0		41.9	
	11-21	1.3	3.0	19.5	7.8	1.1	.2	.3	.9	.0		34.2	
	22+	.0	.0	1.2	.7	.0	.0	.0	.1	.0		2.0	
	TOT %	5.8	10.4	42.2	14.5	2.9	.8	1.1	3.4	.0	1.9	83.1	
	TOT OBS												798
	TOT PCT	6.9	13.6	49.8	17.9	3.2	.9	1.9	3.7	.0	2.1	100.0	

APRIL

PERIOD: (PRIMARY) 1963-1977
(OVER-ALL) 1897-1977

AREA 0018 TUAMOTU ARCHIPELAGO
16.2S 144.4W

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET,NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00&03	.5	.0	.5	3.0	5.1	3.6	.0	.0	.0	.0	12.7	87.3	197
06&09	.5	.0	.5	2.0	4.5	2.0	1.5	.0	.0	.0	10.9	89.1	201
12&15	.0	.0	.6	1.7	5.0	3.9	1.1	.0	.0	.6	12.8	87.2	179
18&21	.0	.0	1.1	4.2	7.9	3.7	2.1	.5	.0	.0	19.6	80.4	189
TOT	2	0	5	21	43	25	9	1	0	1	107	659	766
PCT	.3	.0	.7	2.7	5.6	3.3	1.2	.1	.0	.1	14.0	86.0	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00&03	.0	.0	.0	1.0	10.9	88.1	201
06&09	.0	.4	.4	1.3	18.5	79.3	232
12&15	.0	.0	.0	3.6	18.0	78.4	194
18&21	.0	1.0	.0	.5	11.9	86.6	201
TOT	0	3	1	13	124	687	828
PCT	.0	.4	.1	1.6	15.0	82.0	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET,NH >4/8),BY HOUR

HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL OBS
00&03	.5	1.1	5.3	8.5	86.2	189
06&09	.5	1.1	3.3	8.2	88.5	183
12&15	.0	.6	5.4	10.8	83.8	167
18&21	.0	2.2	7.2	14.4	78.3	180
TOT	2	9	38	75	606	719
PCT	.3	1.3	5.3	10.4	84.3	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
90/94	.0	.0	.0	.0	.5	.4	.0	.0	7	.9
85/89	.0	.0	.0	.1	2.1	5.2	1.3	.0	67	8.7
80/84	.0	.0	.0	.3	5.4	48.3	23.8	2.6	621	80.4
75/79	.0	.0	.0	.3	.6	3.2	3.8	2.1	77	10.0
TOTAL	0	0	0	5	67	441	223	36	772	100.0
PCT	.0	.0	.0	.6	8.7	57.1	28.9	4.7		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

	N	NE	E	SE	S	SW	W	NW	VAR	CALM
	.0	.3	.6	*	.0	.0	.0	.0	.0	.0
	.6	1.3	5.8	.5	.1	.0	.1	.3	.0	.0
	5.5	10.4	40.4	14.2	2.2	1.0	1.5	3.2	.0	1.9
	.8	1.0	3.5	2.9	1.0	.1	.3	.1	.0	.3
	7.0	13.0	50.3	17.6	3.4	1.1	1.9	3.6	.0	2.2

TABLE 15

MEANS,EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00&03	93	91	89	83	80	76	75	83.6	205
06&09	87	85	84	82	78	75	75	81.5	246
12&15	85	84	83	81	78	76	75	80.7	197
18&21	90	87	85	82	79	76	76	82.1	208
TOT	93	89	86	82	78	76	75	81.9	856

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00&03	.0	1.0	16.2	63.5	15.2	4.1	75	197
06&09	.0	.5	5.1	55.8	33.6	5.1	78	217
12&15	.0	.5	3.2	54.7	36.8	4.7	79	190
18&21	.0	.5	9.8	54.6	29.9	5.2	77	194
TOT	0	5	68	436	231	38	77	798

APRIL

PERIOD: (PRIMARY) 1963-1977
(OVER-ALL) 1897-1977

AREA 0018 TUAMOTU ARCHIPELAGO
16.2S 144.4W

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	73 76	77 80	81 84	85 88	89 92	>92	TOT	W FOG	WO FOG
14/16	.0	.0	.0	.0	.1	.0	1	.0	.1
9/10	.0	.0	.0	.3	.0	.0	2	.0	.3
7/8	.0	.1	.1	.1	.1	.1	5	.0	.6
6	.0	.1	.1	.1	.3	.0	5	.0	.6
5	.0	.0	.3	.4	.4	.0	8	.0	1.0
4	.0	.0	.8	1.3	.4	.0	19	.0	2.4
3	.0	.0	2.0	1.4	.3	.0	29	.0	3.6
2	.0	.1	4.4	.9	.0	.0	43	.0	5.4
1	.0	.5	8.1	1.6	.0	.0	82	.0	10.3
0	.0	1.9	15.8	1.0	.0	.0	149	.1	18.5
-1	.0	3.1	15.2	.4	.0	.0	149	.3	18.4
-2	.0	5.8	10.3	.3	.0	.0	130	.0	16.3
-3	.0	3.5	5.8	.0	.0	.0	74	.0	9.3
-4	.0	3.3	2.5	.0	.0	.0	46	.0	5.8
-5	.5	2.4	1.6	.0	.0	.0	36	.0	4.5
-6	.3	1.0	.1	.0	.0	.0	11	.0	1.4
-7/-8	.1	.5	.3	.0	.0	.0	7	.0	.9
-9/-10	.3	.0	.0	.0	.0	.0	2	.0	.3
TOTAL	9	178	537	61	12	1	798	3	795
PCT	1.1	22.3	67.3	7.6	1.5	.1	100.0	.4	99.6

PERIOD: (OVER-ALL) 1963-1977

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.7	.9	.0	.0	.0	.0	1.7
1-2	.2	2.7	1.1	.0	.0	.0	4.0
3-4	.0	.6	.1	.0	.0	.0	.7
5-6	.0	.0	.2	.0	.0	.0	.2
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.9	4.3	1.4	.0	.0	.0	6.6

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.6	.2	.0	.0	.0	.7
1-2	.6	5.6	1.8	.0	.0	.0	8.0
3-4	.0	1.6	1.7	.0	.0	.0	3.3
5-6	.0	.0	.4	.0	.0	.0	.4
7	.0	.0	.3	.0	.0	.0	.3
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.6	7.7	4.2	.0	.0	.0	12.6

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.2	1.5	1.6	.0	.0	.0	3.2
1-2	.0	13.6	5.9	.0	.0	.0	19.6
3-4	.0	6.4	8.9	1.2	.0	.0	16.5
5-6	.0	.8	6.4	.8	.0	.0	8.0
7	.0	.0	1.5	.2	.0	.0	1.6
8-9	.0	.0	.5	.1	.0	.0	.6
10-11	.0	.0	.2	.0	.0	.0	.2
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.2	.0	.0	.0	.2
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.2	22.4	25.1	2.2	.0	.0	49.9

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.3	1.4	.0	.0	.0	.0	1.7
1-2	.3	3.1	4.0	.0	.0	.0	7.4
3-4	.0	.9	3.4	.2	.0	.0	4.5
5-6	.0	.6	1.4	.3	.0	.0	2.3
7	.0	.2	.8	.6	.0	.0	1.6
8-9	.0	.0	.3	.2	.0	.0	.5
10-11	.0	.0	.2	.0	.0	.0	.2
12	.0	.2	.0	.2	.0	.0	.3
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.6	6.4	10.0	1.5	.0	.0	18.6

PERIOD: (OVER-ALL) 1963-1977 APRIL AREA 0018 TUAMOTU ARCHIPELAGO

TABLE 18 (CONT) 16.2S 144.4W

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

S

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.1	.2	.0	.0	.0	.0	.3
1-2	.1	1.3	.3	.0	.0	.0	1.7
3-4	.0	.2	.9	.0	.0	.0	1.1
5-6	.0	.2	.2	.0	.0	.0	.3
7	.0	.0	.1	.0	.0	.0	.1
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.2	1.7	1.5	.0	.0	.0	3.5

SW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.2	.2	.2	.0	.0	.0	.5
1-2	*	.3	.0	.0	.0	.0	.3
3-4	.0	.2	*	.0	.0	.0	.2
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	*	.0	.0	.0	*
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.2	.6	.2	.0	.0	.0	1.1

W

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.5	.2	.0	.0	.0	.0	.8
1-2	.0	.4	.3	.0	.0	.0	.7
3-4	.0	.2	.4	.0	.0	.0	.5
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.5	.7	.7	.0	.0	.0	1.8

NW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	*	.2	.0	.0	.0	.0	.2	
1-2	.3	1.6	.9	.0	.0	.0	2.8	
3-4	.0	.7	.1	.0	.0	.0	.8	
5-6	.0	.0	.0	.0	.0	.0	.0	
7	.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.4	2.4	1.1	.0	.0	.0	3.8	97.8

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	5.4	5.1	1.8	.0	.0	.0	12.3	
1-2	1.7	28.4	14.0	.0	.0	.0	44.1	
3-4	.0	10.6	15.3	1.4	.0	.0	27.3	
5-6	.0	1.5	8.3	1.1	.0	.0	10.9	
7	.0	.2	2.6	.8	.0	.0	3.5	
8-9	.0	.0	.8	.3	.0	.0	1.1	
10-11	.0	.0	.3	.0	.0	.0	.3	
12	.0	.2	.0	.2	.0	.0	.3	
13-16	.0	.0	.2	.0	.0	.0	.2	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
								649
TOT PCT	7.1	45.9	43.3	3.7	.0	.0	100.0	

PERIOD: (OVER-ALL) 1949-1977 TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	2.1	14.6	13.0	4.9	3.4	.6	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	278	3
6-7	.1	2.4	8.8	9.9	3.5	1.4	.3	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	190	5
8-9	.1	1.8	3.9	4.3	2.0	1.1	.8	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	103	5
10-11	.0	3.4	1.0	.6	.3	.3	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	42	4
12-13	.0	.0	2.1	.4	.3	.3	.4	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	25	5
>13	.0	.0	.0	.7	.4	.4	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	13	7
INDET	.8	2.0	2.8	2.1	.6	.1	.1	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	64	4
TOTAL	23	172	226	164	74	30	14	9	1	0	0	1	0	0	0	0	0	0	0	714	4
PCT	3.2	24.1	31.7	23.0	10.4	4.2	2.0	1.3	.1	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	100.0	

PERIOD: (PRIMARY) 1963-1977
(OVER-ALL) 1884-1977

AREA 0018 TUAMOTU ARCHIPELAGO
16.1S 144.3W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WD PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
N	2.2	.0	.0	.0	.0	.0	.0	2.2	4.4	.0	1.6	.0	.0		.0	91.8
NE	.9	.0	.0	.0	.0	.0	.0	.9	2.2	2.6	.0	.0	.0		.0	94.4
E	.7	1.4	.0	.0	.0	.0	.0	2.1	2.6	.5	.3	.0	.0		.0	94.5
SE	1.1	1.8	.0	.0	.0	.0	.0	2.8	2.3	.4	.0	.0	.0		.0	94.5
S	2.2	8.6	.0	.0	.0	.0	.0	10.8	2.9	4.3	.0	.0	.0		.0	82.0
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	100.0
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	19.6		.0	80.4
NW	.0	.0	.0	.0	.0	.0	.0	.0	6.5	.0	1.6	.0	1.6		.0	90.3
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	100.0
TOT PCT	.9	1.4	.0	.0	.0	.0	.0	2.3	2.5	.9	.3	.0	.4		.0	93.7
TOT OBS:	790															

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WD PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
00&03	1.0	.5	.0	.0	.0	.0	.0	1.5	3.5	.0	.5	.0	.0		.0	94.5
06&09	.5	2.3	.0	.0	.0	.0	.0	2.8	2.8	1.4	.5	.0	.5		.0	92.0
12&15	.5	2.0	.0	.0	.0	.0	.0	2.6	1.5	2.0	.0	.0	1.0		.0	92.9
18&21	1.4	.9	.0	.0	.0	.0	.0	2.4	1.9	.0	.0	.0	.0		.0	95.8
TOT PCT	.9	1.5	.0	.0	.0	.0	.0	2.3	2.4	.9	.2	.0	.4		.0	93.8
TOT OBS:	822															

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	WIND SPEED (KNOTS)									HOUR (GMT)							
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	.6	3.1	1.9	.1	.0	.0		5.7	9.4	9.2	13.8	4.6	.0	4.2	.0	5.9	1.6
NE	.3	8.1	5.6	.4	.0	.0		14.4	10.1	15.1	18.8	13.9	14.1	12.9	23.7	14.1	16.1
E	2.3	21.2	24.1	1.4	.0	.0		49.0	11.4	47.9	43.8	45.7	67.2	49.1	50.0	51.4	55.6
SE	1.3	8.3	8.3	.4	.0	.0		18.3	10.7	16.8	7.5	22.3	6.3	18.2	21.1	17.5	16.9
S	.5	2.6	1.6	.0	.0	.0		4.7	8.5	3.1	.0	5.9	.0	6.6	.0	5.3	.0
SW	.2	1.0	.9	.0	.0	.0		2.2	9.2	3.4	.0	1.3	.0	2.5	.0	2.3	3.2
W	.6	.7	.2	.2	.2	.0		1.9	13.2	.6	.0	2.0	4.7	2.5	5.3	2.2	2.4
NW	.1	.9	.7	.2	.0	.0		1.9	11.9	2.3	16.3	2.3	7.8	.6	.0	.8	.8
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	1.8							1.8	.0	1.7	.0	2.0	.0	3.5	.0	.5	3.2
TOT OBS	62	375	354	22	2	0	815		10.6	177	20	196	16	173	19	183	31
TOT PCT	7.6	46.0	43.4	2.7	.2	.0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

	WIND SPEED (KNOTS)								HOUR (GMT)			
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	06 09	12 15	18 21
N	1.8	3.4	.5	.0	.0		5.7	9.4	9.6	4.2	3.8	5.3
NE	4.0	9.3	1.2	.0	.0		14.4	10.1	15.5	13.9	13.9	14.4
E	8.9	32.5	7.6	.0	.0		49.0	11.4	47.5	47.3	49.2	52.0
SE	4.3	11.7	2.3	.0	.0		18.3	10.7	15.9	21.1	18.5	17.4
S	1.9	2.7	.1	.0	.0		4.7	8.5	2.8	5.4	6.0	4.6
SW	.5	1.6	.1	.0	.0		2.2	9.2	3.0	1.2	2.2	2.5
W	.7	.9	.0	.2	.2		1.9	13.2	.5	2.2	2.7	2.2
NW	.5	1.1	.3	.1	.0		1.9	11.9	3.7	2.7	.5	.8
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	1.8						1.8	.0	1.5	1.9	3.1	.9
TOT OBS	199	514	98	2	2	815		10.6	197	212	192	214
TOT PCT	24.4	63.1	12.0	.2	.2		100.0		100.0	100.0	100.0	100.0

MAY

PERIOD: (PRIMARY) 1963-1977
(OVER-ALL) 1884-1977

AREA 0018 TUAMOTU ARCHIPELAGO
16.1S 144.3W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS) 1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00&03	1.5	5.1	43.1	47.7	2.5	.0	.0	11.0	100.0	197
06&09	1.9	4.7	49.5	42.0	1.9	.0	.0	10.0	100.0	212
12&15	3.1	6.3	52.1	36.5	2.1	.0	.0	9.9	100.0	192
18&21	.9	7.0	39.7	47.2	4.2	.9	.0	11.6	100.0	214
TOT	15	47	375	354	22	2	0	10.6		815
PCT	1.8	5.8	46.0	43.4	2.7	.2	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	.8	2.3	2.7	.3		4.6
NE	5.0	6.2	4.3	.1		3.4
E	18.9	19.4	10.4	.9		3.2
SE	5.5	7.5	3.9	.8		3.5
S	1.6	.4	1.7	.5		4.3
SW	.6	.9	.4	.1		3.6
W	.7	.4	.3	.1		3.0
NW	.1	.4	.4	.3		4.7
VAR	.0	.0	.0	.0		.0
CALM	1.9	.3	.0	.0		1.4
TOT OBS	246	264	168	22	700	3.4
TOT PCT	35.1	37.7	24.0	3.1	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT,NH >4/8) AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

WND DIR	000-149	150-299	300-599	600-999	1000-1999	2000-3499	3500-4999	5000-6499	6500-7999	8000+	NH <5/8 ANY HGT	TOTAL OBS
N	.0	.0	.1	.4	.6	.4	.1	.0	.0	.0	4.4	
NE	.0	.0	.0	.4	.9	1.1	.3	.0	.0	.0	12.9	
E	.0	.0	.3	1.1	1.8	1.6	.0	.0	.0	.0	44.6	
SE	.0	.0	.1	.6	.9	1.1	.0	.1	.0	.0	14.8	
S	.0	.0	.3	.3	1.0	.3	.0	.0	.0	.0	2.4	
SW	.0	.0	.0	.0	.5	.0	.0	.0	.0	.0	1.5	
W	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	1.4	
NW	.0	.0	.0	*	.3	.0	*	.0	.0	.0	.9	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.1	
TOT OBS	0	0	6	20	43	31	3	1	0	0	596	700
TOT PCT	.0	.0	.9	2.9	6.1	4.4	.4	.1	.0	.0	85.1	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) * OR >10	* OR >5	* OR >2	* OR >1	* OR >1/2	* OR >1/4	* OR >50YD	* OR >0
* OR >4500	.0	.0	.0	.0	.0	.0	.0	.0
* OR >3000	.1	.1	.1	.1	.1	.1	.1	.1
* OR >3500	.6	.6	.6	.6	.6	.6	.6	.6
* OR >2000	3.7	4.5	4.7	4.8	4.8	4.8	4.8	4.8
* OR >1000	8.5	10.7	11.0	11.1	11.3	11.4	11.4	11.4
* OR >600	10.5	13.2	13.8	13.9	14.0	14.2	14.2	14.2
* OR >300	10.6	13.9	14.6	14.7	14.9	15.0	15.0	15.0
* OR >150	10.6	13.9	14.6	14.7	14.9	15.0	15.0	15.0
* OR > 0	10.6	13.9	14.6	14.7	14.9	15.0	15.0	15.0
TOTAL	77	101	106	107	108	109	109	109

TOTAL NUMBER OF OBS: 727

PCT FREQ NH <5/8: 85.0

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8 OBSCD	TOTAL OBS
5.0	18.6	23.1	23.8	14.0	5.3	5.0	2.5	2.8	.0	759

PERIOD: (PRIMARY) 1963-1977
(OVER-ALL) 1884-1977

AREA 0018 TUAMOTU ARCHIPELAGO
16.1S 144.3W

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.1	
	TOT %	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.1	
1/2<1	PCP	.0	.0	.1	*	.0	.0	.0	.0	.0	.0	.1	
	NO PCP	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.1	
	TOT %	.0	.0	.1	*	.1	.0	.0	.0	.0	.0	.3	
1<2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.1	.0	.0	.1	.0	.0	.0	.0	.3	
	TOT %	.0	.0	.1	.0	.0	.1	.0	.0	.0	.0	.3	
2<5	PCP	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.3	
	NO PCP	.0	.1	.5	.4	.0	.0	.0	.0	.0	.0	1.0	
	TOT %	.1	.3	.5	.4	.0	.0	.0	.0	.0	.0	1.3	
5<10	PCP	.0	.0	.3	.2	.3	.0	.0	.0	.0	.0	.8	
	NO PCP	1.2	1.4	4.4	2.3	.8	.2	.2	.5	.0	.0	10.9	
	TOT %	1.2	1.4	4.7	2.4	1.1	.2	.2	.5	.0	.0	11.7	
10+	PCP	.0	.0	.7	.3	.1	.0	.0	.0	.0	.0	1.1	
	NO PCP	4.5	13.1	43.4	14.8	2.9	1.7	1.6	1.4	.0	1.9	85.3	
	TOT %	4.5	13.1	44.1	15.1	3.0	1.7	1.6	1.4	.0	1.9	86.4	
	TOT OBS												789
	TOT PCT	5.8	14.7	49.5	18.0	4.3	2.2	1.8	2.0	.0	1.9	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.1	.0	.0	.0		.1	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.1	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.1	*	.0	.0	.0	.0	.0		.1	
	11-21	.0	.0	.0	.0	.1	.0	.0	.0	.0		.1	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.1	*	.1	.0	.0	.0	.0	.0	.3	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.1	.0	.0	.0		.1	
	11-21	.0	.0	.1	.0	.0	.0	.0	.0	.0		.1	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.1	.0	.0	.1	.0	.0	.0	.0	.3	
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.1	.0	.0	.0	.0	.0	.0		.1	
	11-21	.1	.3	.4	.4	.0	.0	.0	.0	.0		1.1	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.1	.3	.5	.4	.0	.0	.0	.0	.0	.0	1.3	
5<10	0-3	.0	.0	.4	.1	.0	.0	.1	*	.0	.0	.6	
	4-10	.7	.5	2.2	.7	.6	*	.1	.3	.0		5.2	
	11-21	.5	.8	1.7	1.4	.5	.1	.0	.3	.0		5.3	
	22+	.0	.0	.3	.2	.0	.0	.0	.0	.0		.5	
	TOT %	1.2	1.4	4.7	2.4	1.1	.2	.2	.5	.0	.0	11.7	
10+	0-3	.6	.3	2.0	1.0	.4	.3	.5	*	.0	1.9	7.0	
	4-10	2.4	7.6	18.9	7.3	1.9	.9	.6	.7	.0		40.3	
	11-21	1.4	4.7	22.1	6.6	.8	.6	.3	.5	.0		36.9	
	22+	.1	.4	1.2	.2	.0	.0	.2	.2	.0		2.3	
	TOT %	4.5	13.1	44.1	15.1	3.0	1.7	1.6	1.4	.0	1.9	86.4	
	TOT OBS												789
	TOT PCT	5.8	14.7	49.5	18.0	4.3	2.2	1.8	2.0	.0	1.9	100.0	

MAY

PERIOD: (PRIMARY) 1963-1977
(OVER-ALL) 1884-1977

AREA 0018 TUAMOTU ARCHIPELAGO
16.1S 144.3W

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET,NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00&03	.0	.0	.5	2.1	9.2	5.1	.5	.5	.0	.0	17.9	82.1	195
06&09	.0	.0	.6	3.3	6.1	5.0	.0	.0	.0	.0	14.9	85.1	181
12&15	.0	.0	.5	3.8	4.9	1.6	.0	.0	.0	.0	10.9	89.1	183
18&21	.0	.0	1.6	1.6	5.7	5.2	1.0	.0	.0	.0	15.0	85.0	193
TOT	0	0	6	20	49	32	3	1	0	0	111	641	752
PCT	.0	.0	.8	2.7	6.5	4.3	.4	.1	.0	.0	14.8	85.2	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00&03	.5	.0	.0	1.5	6.0	92.0	200
06&09	.0	.9	.0	1.9	20.7	76.5	213
12&15	.0	.0	.5	1.5	10.7	87.3	197
18&21	.0	.0	.5	.5	11.8	87.2	211
TOT	1	2	2	11	102	703	821
PCT	.1	.2	.2	1.3	12.4	85.6	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET,NH >4/8),BY HOUR

HOUR (GMT)	<150 <5000YD	<600 <1	<1000 <3	1000+ AND5+	NH <5/8 AND 5+	TOTAL OBS
00&03	.0	1.0	3.7	14.7	81.7	191
06&09	.0	1.2	6.4	11.0	82.6	172
12&15	.0	.6	6.2	6.2	87.6	177
18&21	.0	1.6	4.3	10.7	85.0	187
TOT	0	8	37	78	612	727
PCT	.0	1.1	5.1	10.7	84.2	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
90/94	.0	.0	.0	.0	.4	.0	.0	.0	3	.4
85/89	.0	.0	.0	.1	1.4	1.6	1.2	.1	34	4.5
80/84	.0	.1	.1	1.1	7.9	43.3	21.1	1.6	571	75.1
75/79	.0	.0	.1	.0	.9	6.3	9.5	2.2	145	19.1
70/74	.0	.0	.0	.0	.0	.3	.1	.4	6	.8
65/69	.0	.0	.0	.0	.0	.0	.1	.0	1	.1
TOTAL	0	1	2	9	81	391	243	33	760	100.0
PCT	.0	.1	.3	1.2	10.7	51.4	32.0	4.3		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
.0	*	.2	.0	.0	.0	.0	.0	.0	.1
.9	1.1	1.7	.5	.1	.1	.0	.1	.0	.0
3.9	10.8	37.3	14.5	2.9	1.4	1.2	1.6	.0	1.4
.9	2.6	9.0	3.2	1.7	.7	.4	.2	.0	.4
.1	.1	.0	.1	.0	.1	.2	.1	.0	.0
.0	.0	.0	.0	.0	.0	.1	.0	.0	.0
5.9	14.6	48.2	18.3	4.8	2.4	1.8	2.0	.0	2.0

TABLE 15

MEANS,EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00&03	90	89	86	82	79	75	73	82.4	203
06&09	86	85	83	81	77	76	69	80.5	223
12&15	84	83	82	80	76	72	72	79.8	199
18&21	91	87	84	81	78	75	68	81.3	220
TOT	91	86	84	81	77	74	68	81.0	845

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00&03	.0	3.0	19.7	55.1	18.2	4.0	74	198
06&09	.0	.0	5.0	50.8	39.2	5.0	79	199
12&15	.0	.5	4.7	45.8	42.7	6.3	80	192
18&21	.0	3.0	13.3	51.2	29.1	3.4	76	203
TOT	0	13	85	402	255	37	77	792

PERIOD: (PRIMARY) 1963-1977
(OVER-ALL) 1884-1977

AREA 0018 TUAMOTU ARCHIPELAGO
16.1S 144.3W

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	65 68	69 72	73 76	77 80	81 84	85 88	89 92	TOT	W FOG	WO FOG
14/16	.0	.0	.0	.0	.0	.0	.4	3	.0	.4
11/13	.0	.0	.0	.0	.0	.1	.1	2	.0	.3
9/10	.0	.0	.0	.0	.1	.0	.1	2	.0	.3
7/8	.0	.0	.0	.1	.1	.0	.1	3	.0	.4
6	.0	.0	.0	.1	.3	.0	.0	3	.0	.4
5	.0	.0	.0	.1	.4	.1	.0	5	.0	.6
4	.0	.0	.0	.0	1.0	.8	.0	14	.0	1.8
3	.0	.0	.0	.3	1.0	.5	.1	15	.0	1.9
2	.0	.0	.0	.3	3.9	.5	.0	37	.0	4.6
1	.0	.0	.0	1.0	6.8	.8	.0	68	.1	8.4
0	.0	.0	.0	3.0	12.6	1.0	.0	132	.0	16.6
-1	.0	.0	.4	6.2	11.9	.3	.0	149	.1	18.6
-2	.0	.0	.0	7.0	9.3	.1	.0	131	.0	16.5
-3	.0	.1	.1	8.8	5.4	.0	.0	115	.0	14.4
-4	.0	.0	.0	3.9	2.0	.0	.0	47	.0	5.9
-5	.0	.0	.3	2.5	1.8	.0	.0	36	.0	4.5
-6	.1	.0	.8	1.0	.1	.0	.0	16	.0	2.0
-7/-8	.0	.0	.4	.9	.1	.0	.0	11	.0	1.4
-9/-10	.0	.0	.4	.1	.1	.0	.0	5	.0	.6
-11/-13	.0	.0	.1	.0	.0	.0	.0	1	.0	.1
-14/-16	.0	.1	.0	.0	.0	.0	.0	1	.0	.1
TOTAL	1	2	19	281	453	33	7	796	2	794
PCT	.1	.3	2.4	35.3	56.9	4.1	.9	100.0	.3	99.7

PERIOD: (OVER-ALL) 1963-1977

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.3	1.4	.3	.0	.0	.0	2.0
1-2	.1	1.6	.6	.0	.0	.0	2.3
3-4	.0	.2	.5	.0	.0	.0	.6
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.2	.0	.0	.2
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.4	3.2	1.4	.2	.0	.0	5.1

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	*	2.0	.2	.0	.0	.0	2.2
1-2	.1	4.4	2.3	.0	.0	.0	6.7
3-4	.0	1.9	2.4	.0	.0	.0	4.4
5-6	.0	.3	.8	.3	.0	.0	1.5
7	.0	.2	.0	.0	.0	.0	.2
8-9	.0	.0	.2	.0	.0	.0	.2
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.2	.0	.0	.0	.2
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.1	8.9	5.0	.3	.0	.0	15.4

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.8	3.0	.3	.0	.0	.0	4.1
1-2	1.0	11.4	7.3	.0	.0	.0	19.7
3-4	.1	4.3	9.0	1.4	.0	.0	14.8
5-6	.0	.8	7.7	.3	.0	.0	8.8
7	.0	.1	.6	.2	.0	.0	.9
8-9	.0	.0	.3	.0	.0	.0	.3
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.2	.0	.0	.0	.0	.2
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.9	19.8	25.3	1.8	.0	.0	48.8

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.5	1.5	*	.0	.0	.0	2.1
1-2	.3	4.4	2.2	.0	.0	.0	6.9
3-4	*	1.8	3.6	.3	.0	.0	5.8
5-6	.0	.4	3.0	.2	.0	.0	3.6
7	.0	.0	.3	.0	.0	.0	.3
8-9	.0	.0	*	.0	.0	.0	*
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.9	8.1	9.1	.5	.0	.0	18.7

PERIOD: (OVER-ALL) 1963-1977

MAY

AREA 0018 TUAMOTU ARCHIPELAGO
16.1S 144.3W

TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

	S							SW						
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.3	.1	.0	.0	.0	.0	.4	.2	.2	.2	.0	.0	.0	.5
1-2	.2	1.6	.3	.0	.0	.0	2.0	.0	.9	.7	.0	.0	.0	1.6
3-4	.0	.4	.3	.0	.0	.0	.7	.0	.0	.2	.0	.0	.0	.2
5-6	.0	.1	.6	.0	.0	.0	.7	.0	.0	*	.0	.0	.0	*
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.5	2.2	1.2	.0	.0	.0	3.9	.2	1.1	1.1	.0	.0	.0	2.3

	W							NW							TOTAL
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	PCT
<1	.6	.0	.2	.0	.0	.0	.8	.1	.4	.2	.0	.0	.0	.7	
1-2	.2	.8	.2	.0	.0	.0	1.2	.0	.2	*	.0	.0	.0	.2	
3-4	.0	.2	.0	.0	.0	.0	.2	.0	.0	.2	.2	.0	.0	.4	
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0	.0	.2	
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.8	1.0	.3	.0	.0	.0	2.1	.1	.6	.6	.2	.0	.0	1.5	97.8

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	5.7	8.6	1.3	.0	.0	.0	15.6	
1-2	1.8	25.0	13.4	.0	.0	.0	40.3	
3-4	.2	8.7	16.1	1.8	.0	.0	26.9	
5-6	.0	1.7	12.3	.8	.0	.0	14.8	
7	.0	.3	.8	.3	.0	.0	1.3	
8-9	.0	.0	.5	.0	.0	.0	.5	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.2	.0	.0	.0	.2	
13-16	.0	.2	.0	.0	.0	.0	.2	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
								595
TOT PCT	7.7	44.5	44.7	3.0	.0	.0	100.0	

PERIOD: (OVER-ALL) 1951-1977

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	3.4	9.0	13.9	8.7	1.0	.4	.3	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	252	3
6-7	.0	3.3	10.5	8.3	3.0	.9	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	178	4
8-9	.1	.9	4.0	4.6	2.4	1.0	.4	.0	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	93	5
10-11	.0	1.8	1.3	1.8	.6	.0	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	39	4
12-13	.0	.0	2.2	1.8	1.6	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	40	5
>13	.0	.0	.0	.0	.1	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3	10
INDET	2.7	1.0	3.1	2.2	.6	.4	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	70	3
TOTAL	42	108	237	185	63	19	11	7	2	1	0	0	0	0	0	0	0	0	0	675	4
PCT	6.2	16.0	35.1	27.4	9.3	2.8	1.6	1.0	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

JUNE

PERIOD: (PRIMARY) 1964-1977
(OVER-ALL) 1871-1977

AREA 0016 TUAMOTU ARCHIPELAGO
16.7S 143.7W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST BLWG SNOW		NO SIG WEA
N	5.8	5.8	.0	.0	.0	.0	.0	11.5	4.2	3.7	2.1	.0	.0	.0		80.6
NE	2.1	5.0	.8	.0	.0	.0	.0	7.8	.8	2.7	.0	.0	.0	.0		88.7
E	1.7	.7	.0	.0	.0	.0	.0	2.4	1.5	1.0	.0	.0	.0	.2		95.1
SE	1.6	1.8	.4	.0	.0	.0	.0	3.3	5.4	.0	.0	.0	.0	.5		90.8
S	2.7	2.4	.0	.0	.0	.0	.0	5.1	4.4	.0	.0	.0	.0	.0		90.4
SW	.0	3.6	.0	.0	.0	.0	.0	3.6	4.5	.0	.9	.0	.0	.0		91.1
W	.0	9.3	.0	.0	.0	.0	.0	9.3	9.3	.0	4.0	.0	.0	.0		77.3
NW	14.0	7.9	.0	.0	.0	.0	.0	21.9	4.4	.0	.0	.0	.0	.0		73.7
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	5.3	.0	.0	.0	.0	.0		94.7
TOT PCT	2.3	2.4	.2	.0	.0	.0	.0	4.7	3.9	.9	.2	.0	.0	.2		91.0
TOT OBS:	977															

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST BLWG SNOW		NO SIG WEA
00&03	2.8	2.4	.8	.0	.0	.0	.0	5.5	2.4	.4	.0	.0	.0	.0		92.1
06&09	1.5	2.7	.0	.0	.0	.0	.0	4.2	1.9	2.3	.0	.0	.0	.4		91.2
12&15	2.7	2.7	.0	.0	.0	.0	.0	5.4	4.2	.8	.0	.0	.0	.4		89.6
18&21	1.7	1.7	.0	.0	.0	.0	.0	3.5	3.9	.0	.9	.0	.0	.0		91.8
TOT PCT	2.2	2.4	.2	.0	.0	.0	.0	4.7	3.1	.9	.2	.0	.0	.2		91.2
TOT OBS:	1006															

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	WIND SPEED (KNOTS)									HOUR (GMT)							
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	.3	2.2	2.2	.1	.0	.0		4.8	10.6	6.6	6.8	4.4	2.2	2.8	11.3	4.5	6.8
NE	.4	6.4	6.2	.1	.0	.0		13.1	10.8	13.2	23.9	9.4	23.5	15.0	21.8	10.4	16.7
E	.7	14.8	21.8	1.9	.0	.0		39.2	12.9	34.9	35.2	41.5	51.5	37.6	40.3	39.8	48.5
SE	.2	7.3	13.6	5.0	.0	.0		26.1	15.6	25.7	11.4	27.4	16.9	27.9	15.3	29.3	16.7
S	.0	2.3	4.5	.6	.0	.0		7.4	13.9	8.6	9.1	8.2	.0	6.8	8.1	7.0	5.3
SW	.3	1.3	1.1	.0	.0	.0		2.8	10.2	4.1	4.5	2.2	.0	2.6	3.2	2.9	.0
W	.1	.7	.9	.1	.0	.0		1.9	11.7	2.0	.0	1.5	.0	3.6	.0	.9	3.0
NW	.1	1.2	1.3	.2	.1	.0		2.9	13.1	3.8	9.1	2.9	5.9	1.2	.0	3.1	3.0
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	1.9							1.9	.0	1.3	.0	2.6	.0	2.7	.0	2.0	.0
TOT OBS	42	365	519	80	1	0	1007		13.0	228	22	235	34	225	31	199	33
TOT PCT	4.2	36.2	51.5	7.9	.1	.0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

	WIND SPEED (KNOTS)								HOUR (GMT)			
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	06 09	12 15	18 21
N	1.1	2.9	.8	.0	.0		4.8	10.6	6.6	4.1	3.8	4.8
NE	3.1	8.5	1.6	.0	.0		13.1	10.8	14.1	11.2	15.8	11.3
E	4.5	24.3	10.3	.1	.0		39.2	12.9	34.9	42.8	37.9	41.1
SE	1.4	13.7	9.1	1.8	.0		26.1	15.6	24.4	26.1	26.4	27.5
S	.8	4.2	2.3	.0	.0		7.4	13.9	8.6	7.2	6.9	6.8
SW	.6	1.9	.3	.0	.0		2.8	10.2	4.1	2.0	2.6	2.5
W	.5	.7	.6	.0	.0		1.9	11.7	1.8	1.3	3.1	1.2
NW	.4	1.8	.5	.2	.0		2.9	13.1	4.3	3.3	1.1	3.1
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	1.9						1.9	.0	1.2	2.2	2.3	1.7
TOT OBS	144	584	257	22	0	1007		13.0	250	269	256	232
TOT PCT	14.3	58.0	25.5	2.2	.0		100.0		100.0	100.0	100.0	100.0

JUNE

PERIOD: (PRIMARY) 1964-1977
(OVER-ALL) 1871-1977

AREA 0018 TUAMOTU ARCHIPELAGO
16.7S 143.7W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS) 1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00&03	1.2	1.6	38.8	53.2	6.8	.4	.0	13.0	100.0	250
06&09	2.2	3.0	36.4	48.0	10.4	.0	.0	13.1	100.0	269
12&15	2.3	2.7	38.3	49.2	7.4	.0	.0	12.5	100.0	256
18&21	1.7	1.7	33.2	56.5	6.9	.0	.0	13.3	100.0	232
TOT	19	23	365	519	80	1	0	13.0		1007
PCT	1.9	2.3	36.2	51.5	7.9	.1	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	1.4	.5	1.7	1.1		4.8
NE	3.4	4.8	3.8	1.7		4.2
E	11.5	11.9	9.2	4.6		4.0
SE	5.9	7.5	10.3	3.0		4.5
S	1.6	2.8	2.8	.8		4.4
SW	.6	.7	1.4	.3		4.5
W	.6	.4	.5	.3		4.4
NW	.6	.3	1.2	.7		5.2
VAR	.0	.0	.0	.0		.0
CALM	.9	.7	.5	.1		3.2
TOT OBS	228	255	269	108	860	4.3
TOT PCT	26.5	29.7	31.3	12.6	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT,NH >4/8) AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

WND DIR	*300 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	TOTAL OBS
N	.1	.0	.0	.1	1.3	.3	.1	.0	.0	.0	2.9	
NE	.0	.0	.0	.6	2.3	1.2	.2	.0	.0	*	9.2	
E	.1	.0	.1	.9	4.5	2.4	.6	.1	.1	.3	28.1	
SE	.1	.0	.4	1.3	5.1	2.0	.7	.3	*	.0	16.7	
S	.0	.0	.0	.2	1.5	.6	.1	.0	.0	.0	5.6	
SW	.0	.0	.1	.2	.1	.3	.0	.0	.0	.0	2.2	
W	.0	.0	.0	.0	.2	.1	.0	.0	.0	.0	1.5	
NW	.0	.0	.1	.1	.4	.3	.0	.0	.0	.0	1.8	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.0	.0	.2	.0	.3	.0	.0	.0	.0	1.6	
TOT OBS	3	0	6	32	133	66	14	4	1	3	598	860
TOT PCT	.3	.0	.7	3.7	15.5	7.7	1.6	.5	.1	.3	69.5	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) * OR >10	* OR >5	* OR >2	* OR >1	* OR >1/2	* OR >1/4	* OR >50YD	* OR >0
* OR >6500	.2	.3	.5	.5	.5	.5	.5	.5
* OR >5000	.6	.7	1.0	1.0	1.0	1.0	1.0	1.0
* OR >3500	1.5	1.9	2.6	2.6	2.6	2.6	2.6	2.6
* OR >2000	6.8	9.4	10.4	10.5	10.5	10.5	10.5	10.5
* OR >1000	15.2	23.4	25.6	25.7	26.1	26.2	26.2	26.2
* OR >600	17.7	26.8	29.3	29.4	29.7	29.8	29.8	29.8
* OR >300	18.3	27.3	29.8	30.0	30.4	30.5	30.5	30.5
* OR >150	18.3	27.3	29.8	30.0	30.4	30.5	30.5	30.5
* OR > 0	18.4	27.7	30.2	30.4	30.7	30.8	30.8	30.8
TOTAL	162	244	266	268	271	272	272	272

TOTAL NUMBER OF OBS: 882

PCT FREQ NH <5/8: 69.2

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8 OBSCD	TOTAL OBS
2.6	11.5	21.1	20.2	12.5	9.6	9.1	6.7	6.7	.0	950

PERIOD: (PRIMARY) 1964-1977
(OVER-ALL) 1871-1977

AREA 0018 TUAMOTU ARCHIPELAGO
15.7S 143.7W

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	
	TOT %	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.1	
	NO PCP	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.2	
	TOT %	.0	.2	.0	.0	.0	.0	.0	.1	.0	.0	.3	
1<2	PCP	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.1	
	NO PCP	.0	.0	.0	.1	.0	.1	.0	.0	.0	.0	.2	
	TOT %	.0	.0	.0	.1	.0	.1	.0	.1	.0	.0	.3	
2<5	PCP	.1	.3	.1	.3	.1	.0	.0	.1	.0	.0	1.0	
	NO PCP	.2	.6	.8	.8	.3	.0	.1	*	.0	.0	2.8	
	TOT %	.3	.9	.9	1.2	.4	.0	.1	.1	.0	.0	3.8	
5<10	PCP	.3	.6	.6	.1	.3	.0	.2	.2	.0	.0	2.3	
	NO PCP	1.4	2.9	7.5	4.9	1.4	.5	.4	.4	.0	.2	19.5	
	TOT %	1.6	3.5	8.1	5.1	1.6	.5	.6	.6	.0	.2	21.8	
10+	PCP	.2	.2	.2	.4	.0	.1	.0	.1	.0	.0	1.2	
	NO PCP	2.7	8.7	29.1	19.4	5.5	2.2	1.3	1.9	.0	1.7	72.5	
	TOT %	2.9	8.9	29.4	19.8	5.5	2.3	1.3	2.0	.0	1.7	73.7	
	TOT OBS												974
	TOT PCT	4.9	13.4	38.4	26.1	7.5	2.9	1.9	2.9	.0	2.0	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.1	.0	.0	.0	.0	.0	.0	.0	.0		.1	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.2	.0	.0	.0	.0	.0	.1	.0		.3	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.2	.0	.0	.0	.0	.0	.1	.0	.0	.3	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.1	.0	.0	.0		.1	
	11-21	.0	.0	.0	.1	.0	.0	.0	.1	.0		.2	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.1	.0	.1	.0	.1	.0	.0	.3	
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.2	.3	.0	.2	.0	.0	.0	.0		.7	
	11-21	.3	.7	.6	.8	.2	.0	.1	*	.0		2.7	
	22+	.0	.0	.0	.3	.0	.0	.0	.1	.0		.4	
	TOT %	.3	.9	.9	1.2	.4	.0	.1	.1	.0	.0	3.8	
5<10	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.2	
	4-10	.5	1.8	1.5	.8	.2	.2	.1	.0	.0		5.0	
	11-21	1.0	1.6	6.0	2.0	1.3	.3	.4	.6	.0		13.3	
	22+	.1	.1	.6	2.2	.1	.0	.1	.0	.0		3.2	
	TOT %	1.6	3.5	8.1	5.0	1.6	.5	.6	.6	.0	.2	21.7	
10+	0-3	.3	.5	.8	.2	.0	.3	.2	.1	.0	1.7	4.1	
	4-10	1.8	4.3	12.6	6.7	1.8	1.1	.7	1.2	.0		30.1	
	11-21	.9	4.1	14.7	10.5	3.1	.9	.5	.5	.0		35.1	
	22+	.0	.0	1.3	2.4	.6	.0	.0	.2	.0		4.5	
	TOT %	3.0	8.9	29.4	19.8	5.5	2.3	1.3	2.0	.0	1.7	73.8	
	TOT OBS												977
	TOT PCT	5.0	13.4	38.4	26.1	7.5	2.9	1.9	2.9	.0	1.9	100.0	

JUNE

PERIOD: (PRIMARY) 1964-1977
(OVER-ALL) 1871-1977

AREA 0018 TUAMOTU ARCHIPELAGO
16.7S 143.7W

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00&03	.4	.0	.8	2.5	15.1	8.8	1.3	.4	.0	.4	29.7	70.3	239
06&09	.0	.0	.4	2.2	15.4	7.9	2.2	.9	.0	.4	29.5	70.5	227
12&15	.0	.0	.4	2.1	15.9	5.9	2.1	.4	.0	.0	26.8	73.2	239
18&21	.9	.0	.9	7.5	13.6	8.0	.9	.5	.5	.5	33.3	66.7	213
TOT	3	0	6	32	138	70	15	5	1	3	273	645	918
PCT	.3	.0	.7	3.5	15.0	7.6	1.6	.5	.1	.3	29.7	70.3	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00&03	.0	.4	.8	3.5	17.3	78.0	254
06&09	.0	.0	.0	5.0	25.7	69.3	261
12&15	.4	.8	.0	5.4	26.3	67.2	259
18&21	.0	.0	.4	1.7	17.2	80.6	232
TOT	1	3	3	40	219	740	1006
PCT	.1	.3	.3	4.0	21.8	73.6	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET, NH >4/8), BY HOUR

HOUR (GMT)	<150 <5UYD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL OBS
00&03	.4	1.7	6.4	23.9	69.7	234
06&09	.0	.5	7.4	25.0	67.6	216
12&15	.0	1.8	8.8	21.1	70.2	228
18&21	1.0	2.0	11.3	23.5	65.2	204
TOT	3	13	74	206	602	882
PCT	.3	1.5	8.4	23.4	68.3	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
84/89	.0	.0	.0	.3	1.2	.4	.0	.0	18	2.0
80/84	.0	.0	.0	.2	4.8	22.7	11.1	.9	364	39.7
75/79	.0	.0	.2	.8	4.1	23.8	18.1	3.5	463	50.5
70/74	.0	.0	.0	.5	1.1	2.1	2.4	1.6	71	7.7
65/69	.0	.0	.0	.0	.1	.0	.0	.0	1	.1
TOTAL	0	0	2	17	104	449	290	55	917	100.0
PCT	.0	.0	.2	1.9	11.3	49.0	31.6	6.0		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
.3	.1	.7	.6	.2	.0	.0	.0	.0	.0
2.1	7.0	18.4	8.1	.8	.5	1.0	.8	.0	1.1
2.2	5.8	17.7	14.7	5.0	1.8	.9	1.7	.0	.8
.3	.6	1.7	2.6	1.2	.8	.1	.4	.0	.0
.0	.0	.0	.1	.0	.0	.0	.0	.0	.0
4.9	13.5	38.4	26.1	7.2	3.1	2.0	2.9	.0	1.9

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00&03	88	87	85	80	73	71	70	79.8	255
06&09	88	84	82	79	74	72	70	78.8	275
12&15	83	82	81	78	73	72	71	77.9	259
18&21	90	88	84	80	75	72	69	79.4	237
TOT	90	87	83	79	74	72	69	78.9	1026

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00&03	.0	2.5	17.1	47.9	27.9	4.6	77	240
06&09	.0	.8	5.8	51.9	36.1	5.4	79	241
12&15	.0	2.0	8.0	48.0	34.8	7.2	78	250
18&21	.0	2.8	15.0	48.8	26.8	6.6	76	213
TOT	0	19	107	464	298	56	77	944

JUNE

PERIOD: (PRIMARY) 1964-1977
(OVER-ALL) 1871-1977

AREA 0018 TUAMOTU ARCHIPELAGO
16.7S 143.7W

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	69 72	73 76	77 80	81 84	85 88	89 92	TOT	W FOG	WO FOG
9/10	.0	.0	.0	.0	.1	.0	1	.0	.1
7/8	.0	.0	.0	.0	.3	.1	4	.0	.4
6	.0	.0	.0	.2	.1	.0	3	.0	.3
5	.0	.2	.1	.2	.4	.0	9	.0	.9
4	.0	.0	.3	1.3	.3	.0	18	.0	1.9
3	.0	.1	.6	.9	.3	.0	19	.0	2.0
2	.0	.2	.8	3.8	.2	.0	48	.0	5.0
1	.0	.3	2.7	3.6	.2	.0	65	.0	6.8
0	.0	.2	7.1	7.3	.0	.0	140	.0	14.7
-1	.0	.5	13.0	4.1	.0	.0	166	.0	17.6
-2	.0	1.9	10.6	3.0	.0	.0	148	.0	15.5
-3	.1	2.1	7.2	1.9	.0	.0	108	.0	11.3
-4	.1	2.4	6.1	.8	.0	.0	90	.1	9.3
-5	.5	4.1	3.6	.6	.0	.0	84	.0	8.8
-6	.6	1.0	.5	.1	.0	.0	22	.0	2.3
-7/-8	.5	1.3	.2	.0	.0	.0	19	.1	1.9
-9/-10	.1	.6	.0	.0	.0	.0	7	.0	.7
-11/-13	.0	.1	.0	.0	.0	.0	1	.0	.1
TOTAL	19		505		19			2	952
		144		266		1	954		
PCT	2.0	15.1	52.9	27.9	2.0	.1	100.0	.2	99.8

PERIOD: (OVER-ALL) 1963-1977

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.2	1.1	.0	.0	.0	.0	1.3
1-2	.1	.2	1.0	.0	.0	.0	1.3
3-4	.0	.6	.7	.0	.0	.0	1.3
5-6	.0	.0	.6	.0	.0	.0	.6
7	.0	.0	.2	.0	.0	.0	.2
8-9	.0	.0	.0	.1	.0	.0	.1
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
†DT PCT	.3	1.9	2.5	.1	.0	.0	4.9

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.1	1.3	*	.0	.0	.0	1.5
1-2	.1	3.8	3.1	.0	.0	.0	7.0
3-4	.0	1.5	2.6	.0	.0	.0	4.1
5-6	.0	.2	.7	.1	.0	.0	.9
7	.0	.0	.8	.0	.0	.0	.8
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.1	.0	.0	.0	.1
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
†DT PCT	.2	6.8	7.3	.1	.0	.0	14.4

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.4	1.8	.2	.0	.0	.0	2.4
1-2	.2	6.3	3.7	.0	.0	.0	10.2
3-4	.0	4.1	9.0	.5	.0	.0	13.6
5-6	.0	.7	5.6	.5	.0	.0	6.8
7	.0	.0	3.6	.2	.0	.0	3.8
8-9	.0	.0	.5	.3	.0	.0	.7
10-11	.0	.0	.1	.5	.0	.0	.6
12	.0	.0	.5	.0	.0	.0	.5
13-16	.0	.0	.0	.1	.0	.0	.1
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
†DT PCT	.6	12.9	23.1	2.1	.0	.0	38.7

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.5	.1	.0	.0	.0	.7
1-2	.1	3.1	3.1	.0	.0	.0	6.3
3-4	.0	1.5	4.0	1.3	.0	.0	6.8
5-6	.0	.7	4.6	1.8	.0	.0	7.0
7	.0	.3	1.7	.9	.0	.0	2.9
8-9	.0	.1	.4	.9	.0	.0	1.4
10-11	.0	.0	*	.5	.0	.0	.5
12	.0	.0	.1	.2	.0	.0	.3
13-16	.0	.0	.3	.2	.0	.0	.4
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
†DT PCT	.2	6.2	14.2	5.7	.0	.0	26.2

PERIOD: (OVER-ALL) 1964-1977 JUNE AREA 0018 TUAMOTU ARCHIPELAGO 16.7S 143.7W

TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

S

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.3	.1	.0	.0	.0	.5
1-2	.0	1.2	1.6	.0	.0	.0	2.8
3-4	.0	.3	1.5	.0	.0	.0	1.8
5-6	.0	.3	.7	.1	.0	.0	1.1
7	.0	.0	.2	.1	.0	.0	.4
8-9	.0	.0	.3	.1	.0	.0	.5
10-11	.0	.0	.2	.0	.0	.0	.2
12	.0	.0	.0	.4	.0	.0	.4
13-16	.0	.0	.0	.1	.0	.0	.1
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	2.1	4.7	.8	.0	.0	7.7

SW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.1	.2	.0	.0	.0	.0	.3
1-2	.0	.9	.5	.0	.0	.0	1.4
3-4	.1	.3	.4	.0	.0	.0	.8
5-6	.0	.0	.3	.0	.0	.0	.3
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.3	1.3	1.2	.0	.0	.0	2.8

W

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.1	.4	.0	.0	.0	.0	.5
1-2	.0	.4	.1	.0	.0	.0	.5
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.3	.0	.0	.0	.3
7	.0	.0	.4	.0	.0	.0	.4
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.1	.7	.7	.0	.0	.0	1.5

NW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	.2	.1	.3	.0	.0	.0	.6	
1-2	.0	.7	.3	.0	.0	.0	.9	
3-4	.0	.4	.2	.0	.0	.0	.6	
5-6	.0	.0	.4	.0	.0	.0	.4	
7	.0	.0	.1	.0	.0	.0	.1	
8-9	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.1	.0	.0	.0	.1	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.2	1.2	1.2	.1	.0	.0	2.7	98.8

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	2.2	5.7	.8	.0	.0	.0	8.7	
1-2	.8	10.9	13.4	.0	.0	.0	30.6	
3-4	.1	8.7	18.3	1.8	.0	.0	28.9	
5-6	.0	1.8	13.1	2.5	.0	.0	17.4	
7	.0	.3	6.9	1.3	.0	.0	8.4	
8-9	.0	.1	1.2	1.4	.0	.0	2.7	
10-11	.0	.0	.4	1.0	.0	.0	1.4	
12	.0	.0	.6	.5	.0	.0	1.2	
13-16	.0	.0	.3	.4	.0	.0	.6	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	3.1	33.1	54.9	8.9	.0	.0	100.0	771

PERIOD: (OVER-ALL) 1951-1977 TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	1.1	9.5	8.6	4.3	2.5	1.0	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	241	4
6-7	.0	1.3	9.4	8.4	8.0	3.1	1.6	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	282	5
8-9	.0	.3	4.6	3.7	4.7	1.5	1.0	.5	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	147	6
10-11	.0	1.3	.8	1.5	1.4	1.3	.3	.3	1.1	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	71	7
12-13	.0	.0	.8	1.0	1.5	.6	.7	.2	.0	.0	.1	.0	.0	.1	.0	.0	.0	.0	.0	44	8
>13	.0	.0	.0	.3	.2	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	6	8
INDET	.2	.8	.9	3.0	2.3	1.1	.2	.7	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	83	6
TOTAL	12	115	219	194	180	75	37	21	17	1	1	1	0	1	0	0	0	0	0	874	5
PCT	1.4	13.2	25.1	22.2	20.6	8.6	4.2	2.4	1.9	.1	.1	.1	.0	.1	.0	.0	.0	.0	.0	100.0	

JULY

PERIOD: (PRIMARY) 1964-1977
(OVER-ALL) 1873-1977

AREA 0018 TUAMOTU ARCHIPELAGO
16.8S 143.5W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG	DUST BLWG SNOW	NO SIG WEA
N	1.9	1.4	.0	.0	.0	.0	.0	3.3	1.4	.0	.0	.0	.0		.0	95.2
NE	1.4	1.6	.0	.0	.0	.0	.0	2.9	1.2	1.0	.0	.0	.0		.0	94.8
E	1.7	1.4	.5	.0	.0	.0	.0	3.6	1.9	.6	.2	.0	.7		.0	93.1
SE	.2	1.9	.0	.0	.0	.0	.1	2.2	3.9	.4	.0	.0	.0		.0	93.8
S	3.7	3.7	.0	.0	.0	.0	1.4	8.7	3.2	.0	.0	.0	.0		.0	88.1
SW	2.0	.0	.0	.0	.0	.0	.0	2.0	9.8	.0	.0	.0	.0		.0	88.2
W	17.9	10.3	.0	.0	.0	.0	.0	28.2	7.7	.0	.0	.0	.0		.0	64.1
NW	4.0	.0	.0	.0	.0	.0	.0	4.0	.0	4.0	4.0	.0	.0		.0	88.1
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	100.0
TOT PCT	1.6	1.7	.2	.0	.0	.0	.1	3.6	2.3	.6	.2	.0	.3		.0	93.0
TOT OBS:	995															

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG	DUST BLWG SNOW	NO SIG WEA
00603	.8	1.2	.0	.0	.0	.0	.4	2.4	2.4	.4	.0	.0	.0		.0	95.2
06609	2.6	1.5	.0	.0	.0	.0	.0	4.1	1.9	.4	.7	.0	.7		.0	92.2
12615	1.3	2.5	.4	.0	.0	.0	.0	4.2	2.9	2.3	.0	.0	.4		.0	89.9
18621	1.9	2.3	.4	.0	.0	.0	.0	4.7	1.9	.0	.0	.0	.0		.0	93.4
TOT PCT	1.7	1.9	.2	.0	.0	.0	.1	3.8	2.3	.8	.2	.0	.3		.0	92.7
TOT OBS:	1013															

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	WIND SPEED (KNOTS)									HOUR (GMT)							
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	.2	2.1	2.8	.1	.0	.0		5.2	11.1	7.5	11.2	4.3	4.2	2.5	11.5	4.8	7.9
NE	.5	6.7	7.2	.4	.0	.0		14.7	11.2	15.9	3.4	13.3	12.5	15.7	21.9	15.3	12.1
E	.5	15.0	25.0	3.5	.0	.0		44.0	13.3	42.8	43.1	43.2	47.9	44.4	43.8	45.2	48.6
SE	.2	7.1	14.6	2.7	.0	.0		24.6	14.2	22.0	34.5	26.8	35.4	22.8	17.7	25.1	22.1
S	.3	2.1	2.8	.2	.0	.0		5.4	11.7	7.3	6.0	4.5	.0	5.2	.0	6.3	1.4
SW	.3	.6	.3	.0	.0	.0		1.2	8.1	1.0	.0	1.6	.0	2.2	.0	.5	1.4
W	.2	.6	.3	.0	.0	.0		1.1	9.1	.9	.0	1.9	.0	2.0	.0	.0	.0
NW	.2	1.0	1.4	.0	.0	.0		2.6	12.1	2.9	1.7	2.5	.0	3.0	1.0	1.9	6.4
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	1.2							1.2	.0	.0	.0	1.8	.0	2.3	4.2	.8	.0
TOT OBS	37	374	577	74	0	0	1062		12.7	223	29	272	24	217	24	238	35
TOT PCT	3.5	35.2	54.3	7.0	.0	.0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

	WIND SPEED (KNOTS)								HOUR (GMT)			
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	06 09	12 15	18 21
N	1.5	3.2	.6	.0	.0		5.2	11.1	7.9	4.3	3.4	5.2
NE	2.6	10.3	1.7	.0	.0		14.7	11.2	14.5	13.3	16.3	14.9
E	5.6	26.4	11.3	.8	.0		44.0	13.3	42.6	43.6	44.3	45.6
SE	2.5	13.9	7.9	.4	.0		24.6	14.2	23.4	27.5	22.3	24.7
S	.9	3.6	.9	.0	.0		5.4	11.7	7.1	4.1	4.7	5.7
SW	.5	.7	.0	.0	.0		1.2	8.1	.9	1.4	2.0	.6
W	.3	.7	.1	.0	.0		1.1	9.1	.8	1.8	1.8	.0
NW	.4	1.4	.8	.0	.0		2.6	12.1	2.8	2.3	2.8	2.5
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	1.2						1.2	.0	.0	1.7	2.5	.7
TOT OBS	165	638	246	13	0	1062		12.7	232	296	241	273
TOT PCT	15.5	60.1	23.2	1.2	.0		100.0		100.0	100.0	100.0	100.0

JULY

PERIOD: (PRIMARY) 1964-1977
(OVER-ALL) 1873-1977

AREA 0018 TUAMOTU ARCHIPELAGO
16.8S 143.5W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS) 1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00603	.0	.8	32.5	60.7	6.0	.0	.0	13.1	100.0	252
06609	1.7	3.0	39.5	48.6	7.1	.0	.0	12.3	100.0	296
12615	2.5	3.7	33.6	53.5	6.6	.0	.0	12.5	100.0	241
18621	.7	1.5	34.4	55.3	8.1	.0	.0	13.0	100.0	273
TOT	13	24	374	577	74	0	0	12.7		1062
PCT	1.2	2.3	35.2	54.3	7.0	.0	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	1.7	1.1	1.5	.7		4.2
NE	5.0	4.4	4.1	1.0		3.8
E	15.0	14.1	11.5	3.1		3.6
SE	8.9	7.8	6.6	1.9		3.8
S	1.1	2.2	2.0	.7		4.4
SW	.2	.6	.6	*		4.5
W	.1	.0	.5	.3		6.3
NW	.8	.5	.9	.3		4.3
VAR	.0	.0	.0	.0		.0
CALM	1.0	.1	.1	.1		2.3
TOT OBS	290	267	242	70	869	3.8
TOT PCT	33.4	30.7	27.8	8.1	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT,NH >4/8) AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	TOTAL OBS
.0	.0	.1	.3	.8	.0	.1	.1	.0	.1	3.3	
*	.0	.1	.7	1.3	.7	.3	.0	.0	.2	11.2	
.1	.0	.1	1.2	4.4	3.8	1.1	.0	.0	.0	33.1	
.0	.1	*	1.1	2.4	2.1	.4	.1	.0	.0	18.5	
.0	.0	.0	.4	.5	.7	.1	.0	.0	.0	4.1	
.0	.0	.0	.1	.3	.2	.0	.0	.0	.0	.7	
.0	.0	.0	.0	.3	.2	.0	.0	.0	.0	.4	
.0	.0	.0	.0	.4	.2	.0	*	.0	.0	2.0	
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
.0	.0	.0	.0	.2	.0	.0	.0	.0	.0	1.2	
1	1	3	33	93	69	17	2	0	3	647	869
.1	.1	.3	3.8	10.7	7.9	2.0	.2	.0	.3	74.5	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) = OR >10	= OR >5	= OR >2	= OR >1	= OR >1/2	= OR >1/4	= OR >50YD	= OR >0
= OR >6300	.2	.2	.3	.3	.3	.3	.3	.3
= OR >5000	.3	.5	.6	.6	.6	.6	.6	.6
= OR >3500	1.1	1.8	2.4	2.5	2.5	2.5	2.5	2.5
= OR >2000	6.7	9.5	10.2	10.4	10.4	10.4	10.4	10.4
= OR >1000	13.2	19.7	20.7	20.9	21.1	21.1	21.1	21.1
= OR >600	15.0	22.9	24.1	24.4	24.8	24.8	24.8	24.8
= OR >300	15.1	23.3	24.4	24.8	25.1	25.1	25.1	25.1
= OR >150	15.1	23.4	24.5	24.9	25.2	25.2	25.2	25.2
= OR > 0	15.2	23.5	24.7	25.0	25.3	25.3	25.3	25.3
TOTAL	133	206	216	219	222	222	222	222

TOTAL NUMBER OF OBS: 876

PCT FREQ NH <5/8: 74.7

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8 OBSCD	TOTAL OBS
3.2	15.8	22.4	20.2	11.9	7.0	7.9	5.6	6.0	.0	946

PERIOD: (PRIMARY) 1964-1977
(OVER-ALL) 1873-1977

AREA 0018 TUAMOTU ARCHIPELAGO
16.8S 143.5W

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	PCP	.0	.1	.1	*	.0	.0	.1	.0	.0	.0	.3	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.1	.1	*	.0	.0	.1	.0	.0	.0	.3	
1<2	PCP	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1	
	NO PCP	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.3	
	TOT %	.0	.1	.0	.3	.0	.0	.0	.0	.0	.0	.4	
2<5	PCP	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.1	
	NO PCP	.0	.3	1.0	.7	.3	*	.1	.0	.0	.0	2.3	
	TOT %	.0	.3	1.0	.7	.3	*	.1	.1	.0	.0	2.4	
5<10	PCP	.1	.1	1.0	.3	.5	*	.2	.0	.0	.0	2.2	
	NO PCP	.5	2.0	5.6	4.4	.5	.1	.2	.6	.0	.1	14.0	
	TOT %	.6	2.1	6.6	4.7	1.0	.2	.4	.6	.0	.1	16.2	
10+	PCP	.1	.1	.5	.2	.0	.0	.0	.0	.0	.0	.9	
	NO PCP	4.6	11.8	35.7	18.9	4.2	1.1	.4	1.9	.0	1.1	79.7	
	TOT %	4.6	11.9	36.2	19.2	4.2	1.1	.4	1.9	.0	1.1	80.6	
	TOT OBS												992
	TOT PCT	5.3	14.5	43.9	24.8	5.5	1.3	1.0	2.5	.0	1.2	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.1	.1	*	.0	.0	.1	.0	.0		.3	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.1	.1	*	.0	.0	.1	.0	.0	.0	.3	
1<2	0-3	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1	
	4-10	.0	.0	.0	.2	.0	.0	.0	.0	.0		.2	
	11-21	.0	.1	.0	.1	.0	.0	.0	.0	.0		.2	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.2	.0	.3	.0	.0	.0	.0	.0	.0	.5	
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.1	.1	.0	.0	*	.1	.0	.0		.2	
	11-21	.0	.3	.5	.2	.2	.0	.0	.1	.0		1.2	
	22+	.0	.0	.6	.4	.1	.0	.0	.0	.0		1.1	
	TOT %	.0	.3	1.1	.7	.3	*	.1	.1	.0	.0	2.5	
5<10	0-3	.0	.0	.1	.0	.1	.1	.1	.1	.0	.1	.6	
	4-10	.2	.7	1.7	.5	.2	*	.2	.2	.0		3.7	
	11-21	.3	1.4	3.3	2.8	.7	*	.1	.3	.0		8.8	
	22+	.1	.1	1.5	1.3	.1	.0	.0	.0	.0		3.1	
	TOT %	.6	2.2	6.7	4.6	1.0	.2	.4	.6	.0	.1	16.3	
10+	0-3	.2	.4	.4	.1	.2	.2	.1	.1	.0	1.1	2.8	
	4-10	1.7	5.9	13.1	6.2	1.9	.6	.2	.8	.0		30.4	
	11-21	2.7	5.3	21.4	11.7	2.1	.3	.2	1.0	.0		44.6	
	22+	.0	.3	1.2	1.0	.1	.0	.0	.0	.0		2.6	
	TOT %	4.6	11.9	36.1	19.1	4.2	1.1	.4	1.9	.0	1.1	80.4	
	TOT OBS												996
	TOT PCT	5.2	14.7	43.9	24.7	5.5	1.3	1.0	2.5	.0	1.2	100.0	

JULY

PERIOD: (PRIMARY) 1964-1977
(OVER-ALL) 1873-1977

AREA 0018 TUAMOTU ARCHIPELAGO
16.8S 143.5W

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET,NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00&03	.0	.0	.0	3.8	11.3	8.8	1.7	.0	.0	.0	25.4	74.6	240
06&09	.0	.0	.9	3.8	10.3	5.1	1.7	.0	.0	.9	22.6	77.4	234
12&15	.5	.0	.5	2.3	9.7	6.9	3.2	.5	.0	.5	24.0	76.0	217
18&21	.0	.4	.0	4.8	10.4	9.1	.9	.4	.0	.0	26.1	73.9	230
TOT	1	1	3	34	96	69	17	2	0	3	226	695	921
PCT	.1	.1	.3	3.7	10.4	7.5	1.8	.2	.0	.3	24.5	75.5	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00&03	.0	.4	.0	1.2	12.8	85.6	250
06&09	.0	.4	.7	2.6	17.1	79.2	269
12&15	.0	.4	1.3	4.2	19.7	74.4	238
18&21	.0	.0	.0	1.9	17.1	80.9	257
TOT	0	3	5	25	169	812	1014
PCT	.0	.3	.5	2.5	16.7	80.1	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET,NH >4/8),BY HOUR

HOUR (GMT)	<150 <50YD	<600 <1	<1000 <3	1000+ AND3+	NH <5/8 AND 5+	TOTAL OBS
00&03	.0	.4	5.2	21.6	73.2	231
06&09	.0	1.4	7.2	16.3	76.5	221
12&15	.5	1.5	6.4	20.7	72.9	203
18&21	.0	.5	6.8	20.4	72.9	221
TOT	1	8	56	173	647	876
PCT	.1	.9	6.4	19.7	73.9	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
85/89	.0	.0	.0	.1	.4	.0	.1	.0	6	.6
80/84	.0	.0	.0	.3	4.7	13.0	4.1	1.5	231	23.6
75/79	.0	.0	.0	.8	6.6	29.0	19.7	4.6	595	60.8
70/74	.0	.0	.0	.2	1.5	6.2	4.9	1.8	144	14.7
65/69	.0	.0	.0	.0	.1	.0	.0	.1	2	.2
TOTAL	0	0	0	14	131	472	282	79	978	100.0
PCT	.0	.0	.0	1.4	13.4	48.3	28.8	8.1		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
.0	*	.6	.0	.0	.0	.0	.0	.0	.0
2.7	5.4	10.5	3.6	.6	*	.1	.7	.0	.1
2.4	8.8	26.8	15.1	3.3	1.0	.8	1.7	.0	.9
.2	.9	6.0	5.7	1.3	.2	.1	.0	.0	.2
.0	.0	.0	*	.2	.0	.0	.0	.0	.0
5.3	15.1	43.9	24.4	5.4	1.3	1.0	2.4	.0	1.2

TABLE 15

MEANS,EXTREMES AND PERCENTILES OF TEMP (DEG.F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00&03	87	86	83	79	73	70	66	78.4	252
06&09	82	81	81	78	73	71	69	77.3	297
12&15	82	81	80	77	72	70	66	76.8	247
18&21	84	82	81	78	73	72	70	77.9	275
TOT	87	83	82	78	73	70	66	77.6	1071

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00&03	.0	1.2	23.8	46.7	19.7	8.6	76	244
06&09	.0	1.5	8.2	49.4	33.0	7.9	78	267
12&15	.0	1.2	7.1	47.3	35.7	8.7	79	241
18&21	.0	1.6	13.9	48.4	28.7	7.4	77	244
TOT	0	14	131	478	292	81	78	996

PERIOD: (PRIMARY) 1964-1977
(OVER-ALL) 1873-1977

AREA 0018 TUAMOTU ARCHIPELAGO
16.8S 143.5W

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	65 68	69 72	73 76	77 80	81 84	85 88	TOT	W FOG	WO FOG
7/8	.0	.0	.0	.0	.0	.1	1	.0	.1
6	.0	.0	.0	.1	.3	.1	5	.0	.5
5	.0	.0	.2	.2	.1	.1	6	.0	.6
4	.0	.0	.0	.4	1.1	.1	16	.0	1.6
3	.0	.0	.1	.7	1.5	.1	24	.0	2.5
2	.0	.0	.1	1.4	2.8	.0	42	.0	4.3
1	.0	.0	.8	5.2	1.7	.0	76	.0	7.8
0	.0	.0	3.6	10.1	3.3	.0	166	.1	16.9
-1	.0	.1	5.3	13.1	1.2	.0	193	.0	19.8
-2	.0	.1	4.8	11.6	.5	.0	166	.1	16.9
-3	.1	1.3	3.9	7.2	.0	.0	122	.0	12.5
-4	.0	.8	3.1	3.9	.0	.0	76	.0	7.8
-5	.0	.6	3.0	2.0	.0	.0	55	.0	5.6
-6	.0	.3	.7	.1	.0	.0	11	.0	1.1
-7/-8	.0	.3	.8	.0	.0	.0	11	.0	1.1
-9/-10	.2	.0	.3	.1	.0	.0	6	.0	.6
TOTAL	3	35	261	549	123	5	976	2	974
PCT	.3	3.6	26.7	56.3	12.6	.5	100.0	.2	99.8

PERIOD: (OVER-ALL) 1963-1977

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.1	.3	.0	.0	.0	.0	.5
1-2	.0	1.5	1.7	.0	.0	.0	3.2
3-4	.0	.1	1.0	.1	.0	.0	1.2
5-6	.0	.0	.7	.0	.0	.0	.7
7	.0	.1	.0	.0	.0	.0	.1
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.1	2.0	3.4	.1	.0	.0	5.7

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.1	1.1	.0	.0	.0	.0	1.2
1-2	.2	3.0	2.0	.0	.0	.0	5.3
3-4	.0	2.2	2.7	.4	.0	.0	5.2
5-6	.0	.2	2.3	.1	.0	.0	2.6
7	.0	.0	.2	.0	.0	.0	.2
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	*	.0	.0	.0	*
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.4	6.5	7.3	.5	.0	.0	14.6

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.4	.9	.0	.0	.0	.0	1.2
1-2	.2	8.1	4.3	.0	.0	.0	12.5
3-4	.0	5.1	8.5	.5	.0	.0	14.1
5-6	.0	.5	7.2	.8	.0	.0	8.4
7	.0	.2	3.2	1.1	.0	.0	4.6
8-9	.0	.0	.8	.5	.0	.0	1.2
10-11	.0	.0	.5	.6	.0	.0	1.1
12	.0	.0	.3	.0	.0	.0	.3
13-16	.0	.0	.0	.4	.0	.0	.4
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.1	.0	.0	.0	.1
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.6	14.7	24.8	3.7	.0	.0	43.9

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.4	.2	.0	.0	.0	.5
1-2	.0	3.8	3.0	.0	.0	.0	6.8
3-4	.0	1.7	2.9	.9	.0	.0	5.5
5-6	.0	.1	3.9	.6	.0	.0	4.6
7	.0	*	3.2	1.1	.0	.0	4.3
8-9	.0	.2	1.5	.4	.0	.0	2.1
10-11	.0	.0	.5	.1	.0	.0	.5
12	.0	.0	.3	.0	.0	.0	.3
13-16	.0	.0	.0	.1	.0	.0	.1
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	6.2	15.5	3.1	.0	.0	24.8

PERIOD: (OVER-ALL) 1963-1977

JULY

AREA 0018 TUAMOTU ARCHIPELAGO
16.8S 143.5W

TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

	S							SW						
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.1	.2	.2	.0	.0	.0	.5	.2	.2	*	.0	.0	.0	.4
1-2	.0	.8	.5	.0	.0	.0	1.4	.1	.1	.2	.0	.0	.0	.5
3-4	.0	.7	1.4	.2	.0	.0	2.3	.0	.2	.1	.0	.0	.0	.3
5-6	.0	.1	.8	.0	.0	.0	.9	.0	.2	*	.0	.0	.0	.2
7	.0	.1	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.1	.1	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.1	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.1	2.0	3.0	.3	.0	.0	5.4	.4	.7	.4	.0	.0	.0	1.4

	W							NW							TOTAL
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	PCT
<1	.1	.1	.0	.0	.0	.0	.2	.1	.4	.0	.0	.0	.0	.5	
1-2	.0	.1	.1	.0	.0	.0	.2	.0	.2	.3	.0	.0	.0	.7	
3-4	.0	.1	.1	.0	.0	.0	.2	.0	.3	.5	.0	.0	.0	.7	
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.0	.0	.0	.4	
7	.0	.0	.0	.0	.0	.0	.0	.0	*	.0	.0	.0	.0	*	
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.1	.4	.2	.0	.0	.0	.7	.1	.8	1.4	.0	.0	.0	2.3	98.7

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	2.5	3.5	.4	.0	.0	.0	6.4	
1-2	.7	17.6	12.3	.0	.0	.0	30.6	
3-4	.1	10.3	17.2	2.0	.0	.0	29.7	
5-6	.0	1.0	15.3	1.4	.0	.0	17.7	
7	.0	.5	6.6	2.2	.0	.0	9.3	
8-9	.0	.2	2.4	.8	.0	.0	3.5	
10-11	.0	.0	1.0	.7	.0	.0	1.7	
12	.0	.0	.6	.0	.0	.0	.6	
13-16	.0	.0	.0	.5	.0	.0	.5	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.1	.0	.0	.0	.1	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	3.4	33.1	55.8	7.7	.0	.0	100.0	831

PERIOD: (OVER-ALL) 1949-1977

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	.9	7.4	8.8	7.5	2.9	.9	.7	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	264	4
6-7	.0	3.2	6.6	9.8	7.3	1.8	2.5	.4	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	291	6
8-9	.0	1.4	5.5	4.4	3.7	1.8	1.3	.7	2.1	.7	.1	.0	.3	.0	.0	.0	.0	.0	.0	200	7
10-11	.0	.9	.8	.8	.9	1.5	1.0	.7	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	65	7
12-13	.0	.0	.8	.8	.2	.2	.1	.2	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	7
>13	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	3	10
INDET	.3	.4	1.8	2.4	1.2	.5	.3	.3	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	69	5
TOTAL	11	121	220	235	147	61	54	21	25	10	2	0	3	0	0	0	0	0	0	910	5
PCT	1.2	13.3	24.2	25.8	16.2	6.7	5.9	2.3	2.7	1.1	.2	.0	.3	.0	.0	.0	.0	.0	.0	100.0	

AUGUST

PERIOD: (PRIMARY) 1964-1977
(OVER-ALL) 1923-1977

AREA 0016 TUAMOTU ARCHIPELAGO
16.4S 143.9W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG W/O PCPN	FOG W/ PCPN PAST HR	SMOKE HAZE	SPRAY BLWG	DUST SNOW	NO SIG WEA
N	1.9	.0	.0	.0	.0	.0	.0	1.9	3.8	.0	.0	.0	.0	.0	.0	94.3
NE	1.1	.5	.9	.0	.0	.0	.0	2.5	3.0	1.1	.9	.0	.0	.0	.0	92.4
E	2.2	1.3	.2	.0	.0	.0	.0	3.7	2.9	.6	.1	.0	.0	.0	.0	92.9
SE	1.2	1.1	1.6	.0	.0	.0	.0	3.9	3.9	.1	.2	.0	.0	.0	.5	91.4
S	.0	2.3	.0	.0	.0	.0	.0	2.3	5.4	.0	.0	.0	.0	.0	.0	92.3
SW	9.1	9.1	.0	.0	.0	.0	.0	18.2	.0	.0	.0	.0	.0	.0	.0	81.8
W	.0	.0	.0	.0	.0	.0	.0	.0	8.3	.0	.0	.0	.0	.0	.0	91.7
NW	9.0	4.5	.0	.0	.0	.0	.0	13.5	4.5	.0	.0	.0	.0	.0	.0	82.0
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	15.7	.0	.0	83.3
TOT PCT	2.0	1.3	.6	.0	.0	.0	.0	3.8	3.9	.3	.2	.0	.1	.1		92.1
TOT OBS:	868															

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG W/O PCPN	FOG W/ PCPN PAST HR	SMOKE HAZE	SPRAY BLWG	DUST SNOW	NO SIG WEA
00&03	3.2	1.8	.5	.0	.0	.0	.0	5.5	2.8	.5	.0	.0	.0	.5		91.3
06&09	1.7	.9	.9	.0	.0	.0	.0	3.5	3.5	.9	.4	.0	.4	.0		91.3
12&15	1.4	.9	.9	.0	.0	.0	.0	3.3	3.8	.5	.0	.0	.0	.0		92.5
18&21	1.3	1.3	.0	.0	.0	.0	.0	2.7	3.1	.0	.4	.0	.0	.0		93.8
TOT PCT	1.9	1.4	.6	.0	.0	.0	.0	3.7	3.9	.5	.2	.0	.1	.1		92.2
TOT OBS:	883															

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	WIND SPEED (KNOTS)									HOUR (GMT)							
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	.2	2.4	3.0	.4	.0	.0		6.0	12.2	4.9	13.3	5.1	12.5	6.8	12.5	5.8	4.5
NE	.4	4.5	7.1	.4	.0	.0		12.4	12.5	12.1	16.7	12.9	17.5	10.0	14.1	12.0	28.4
E	.6	13.5	29.3	4.5	.2	.0		48.1	14.1	50.8	50.0	41.9	42.5	52.9	48.4	48.4	40.9
SE	.2	5.7	14.5	3.6	*	.0		23.9	15.4	23.0	6.7	30.5	12.5	19.9	6.3	26.6	17.0
S	.1	1.4	2.0	.1	.0	.0		3.6	12.3	3.4	.0	3.9	3.8	3.4	10.9	3.5	4.5
SW	.0	.4	.8	*	.0	.0		1.2	13.9	1.1	6.7	.6	5.0	2.1	1.6	.5	.0
W	.0	.8	.4	.1	.0	.0		1.3	10.1	1.7	.0	1.3	5.0	1.4	6.3	.5	.0
NW	.1	1.1	1.3	*	.0	.0		2.6	11.4	3.0	6.7	2.5	1.3	2.6	.0	2.2	4.5
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.7							.7	.0	.0	.0	1.4	.0	1.0	.0	.5	.0
TOT OBS	21	207	525	82	2	0	897		13.8	208	15	214	20	200	16	202	22
TOT PCT	2.3	29.8	58.5	9.1	.2	.0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

	WIND SPEED (KNOTS)								HOUR (GMT)			
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	06 09	12 15	18 21
N	1.1	3.7	1.1	.1	.0		6.0	12.2	5.5	5.8	7.2	5.7
NE	1.4	8.3	2.7	.0	.0		12.4	12.5	12.4	13.2	10.3	13.6
E	3.0	30.8	13.3	1.1	.0		48.1	14.1	50.8	42.0	52.5	47.7
SE	1.8	12.3	9.1	.7	.0		23.9	15.4	21.9	29.0	18.9	25.7
S	.8	1.8	1.1	.0	.0		3.6	12.3	3.1	3.8	3.9	3.6
SW	.1	.6	.5	.0	.0		1.2	13.9	1.5	1.0	2.1	.4
W	.4	.8	.1	.0	.0		1.3	10.1	1.6	1.6	1.7	.4
NW	.7	1.3	.6	.0	.0		2.6	11.4	3.3	2.4	2.4	2.5
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	.7						.7	.0	.0	1.3	.9	.4
TOT OBS	90	535	255	17	0	897		13.8	223	234	216	224
TOT PCT	10.0	59.6	28.4	1.9	.0		100.0		100.0	100.0	100.0	100.0

AUGUST

PERIOD: (PRIMARY) 1964-1977
(OVER-ALL) 1923-1977

AREA 0018 TUAMOTU ARCHIPELAGO
16.4S 143.9W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS) 1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00&03	.0	.9	22.9	67.3	9.0	.0	.0	14.5	100.0	223
06&09	1.3	2.1	31.2	58.1	7.3	.0	.0	13.3	100.0	234
12&15	.9	2.3	34.7	50.0	11.6	.5	.0	13.5	100.0	216
18&21	.4	1.3	30.4	58.5	8.9	.4	.0	13.9	100.0	224
TOT	6	15	267	565	82	2	0	13.8		897
PCT	.7	1.7	29.8	58.5	9.1	.2	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	1.8	3.1	.9	.6		3.6
NE	4.4	3.5	3.0	.7		3.5
E	15.3	16.8	12.7	3.4		3.8
SE	6.3	5.4	10.2	1.8		4.3
S	.9	.8	1.7	.3		4.6
SW	.5	.2	.2	.3		4.2
W	.4	.1	.5	.1		4.4
NW	.6	.9	.6	.4		4.4
VAR	.0	.0	.0	.0		.0
CALM	.4	.1	.3	.0		3.3
TOT OBS	236	246	231	58	771	3.9
TOT PCT	30.6	31.9	30.0	7.5	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT,NH >4/8) AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

WND DIR	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	TOTAL OBS
N	.0	.0	.0	.1	.7	.2	.1	.0	.0	.0	5.1	
NE	.0	.0	*	.3	1.2	1.0	.0	.0	.0	.0	9.1	
E	.0	.5	.5	1.8	3.3	3.1	1.2	.1	.1	.0	37.6	
SE	.0	.0	.1	1.4	3.0	2.4	.3	.0	*	.0	17.3	
S	.0	.0	.0	.2	.3	.5	.2	.0	.1	.0	2.3	
SW	.0	.0	.1	.0	.1	.0	.0	.0	.0	.0	.8	
W	.0	.0	.0	.0	.1	.4	.0	.0	.0	.0	.6	
NW	.0	.0	.0	.0	.3	.2	.0	.0	.0	.0	2.0	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.0	.0	.0	.1	.1	.0	.0	.0	.0	.5	
TOT OBS	0	4	6	29	72	61	14	1	2	0	582	771
TOT PCT	.0	.5	.8	3.8	9.3	7.9	1.8	.1	.3	.0	75.5	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) ▪ OR >10	▪ OR >5	▪ OR >2	▪ OR >1	▪ OR >1/2	▪ OR >1/4	▪ OR >50YD	▪ OR >0
▪ OR >6500	.3	.3	.3	.3	.3	.3	.3	.3
▪ OR >5000	.4	.4	.4	.4	.4	.4	.4	.4
▪ OR >3500	1.7	2.3	2.3	2.3	2.3	2.3	2.3	2.3
▪ OR >2000	6.3	9.2	10.1	10.1	10.1	10.1	10.1	10.1
▪ OR >1000	12.3	18.1	19.4	19.4	19.4	19.4	19.4	19.4
▪ OR >600	14.6	21.6	23.1	23.1	23.1	23.1	23.1	23.1
▪ OR >300	14.8	21.8	23.6	23.7	23.7	23.7	23.7	23.7
▪ OR >150	14.9	22.3	24.1	24.3	24.3	24.3	24.3	24.3
▪ OR > 0	14.9	22.3	24.1	24.3	24.3	24.3	24.3	24.3
TOTAL	116	174	180	189	189	189	189	189

TOTAL NUMBER OF OBS: 779 PCT FREQ NH <5/8: 75.7

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	OBSCD	TOTAL OBS
2.7	14.3	24.6	21.5	12.7	9.1	6.8	3.7	4.6	.0	842

PERIOD: (PRIMARY) 1964-1977
(OVER-ALL) 1923-1977

AREA 0018 TUAMOTU ARCHIPELAGO
16.4S 143.9W

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.1	
	TOT %	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.1	
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.1	
	NO PCP	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	
	TOT %	.1	.0	.0	.0	.0	.0	.0	.1	.0	.0	.2	
1<2	PCP	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.1	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.1	
2<5	PCP	.0	.1	.4	.1	.0	.1	.0	.2	.0	.0	1.0	
	NO PCP	.1	.1	.8	.8	.1	.0	.0	.1	.0	.1	2.2	
	TOT %	.1	.3	1.3	.9	.1	.1	.0	.3	.0	.1	3.2	
5<10	PCP	.0	.2	.8	.5	.0	.1	.0	.0	.0	.0	1.6	
	NO PCP	.9	2.6	7.0	5.1	.4	.1	.5	.5	.0	.0	17.2	
	TOT %	.9	2.7	7.8	5.7	.4	.3	.5	.5	.0	.0	18.8	
10+	PCP	.0	.0	.5	.2	.1	.0	.0	.0	.0	.0	.8	
	NO PCP	4.8	9.5	38.3	17.0	3.2	.9	.8	1.6	.0	.6	76.7	
	TOT %	4.8	9.5	38.9	17.2	3.3	.9	.8	1.6	.0	.6	77.5	
	TOT OBS												866
	TOT PCT	5.9	12.6	48.0	23.8	3.8	1.3	1.4	2.6	.0	.7	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.1	.0	.0	.0	.0	.0	.0		.1	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.1	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.1	.0	.0	.0	.0	.0	.0	.1	.0		.2	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.1	.0	.0	.0	.0	.0	.0	.1	.0	.0	.2	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.1	.0	.0	.0	.0	.0		.1	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.1	
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	
	4-10	.0	.1	.1	.1	.0	.0	.0	.1	.0		.5	
	11-21	.0	.2	.8	.8	.1	.1	.0	.2	.0		2.2	
	22+	.1	.0	.3	*	.0	.0	.0	.0	.0		.5	
	TOT %	.1	.3	1.3	.9	.1	.1	.0	.3	.0	.1	3.2	
5<10	0-3	.1	.1	.2	*	.0	.0	.0	.0	.0	.0	.5	
	4-10	.2	.4	1.5	.7	.1	.1	.4	.2	.0		3.7	
	11-21	.4	2.1	4.6	3.4	.3	.1	.1	.3	.0		11.3	
	22+	.2	.1	1.5	1.5	.0	.0	.0	*	.0		3.3	
	TOT %	.9	2.7	7.8	5.7	.4	.3	.5	.5	.0	.0	18.8	
10+	0-3	.1	.2	.4	*	.1	.0	.0	.1	.0	.6	1.6	
	4-10	2.1	3.9	11.6	4.8	1.4	.3	.4	.8	.0		25.4	
	11-21	2.5	5.1	23.7	10.3	1.7	.6	.3	.6	.0		44.8	
	22+	.0	.3	3.1	2.1	.1	*	.1	.0	.0		5.7	
	TOT %	4.8	9.5	38.9	17.2	3.3	.9	.8	1.6	.0	.6	77.5	
	TOT OBS												866
	TOT PCT	5.9	12.6	48.0	23.8	3.8	1.3	1.4	2.6	.0	.7	100.0	

AUGUST

PERIOD: (PRIMARY) 1964-1977
(OVER-ALL) 1923-1977

AREA 0018 TUAMOTU ARCHIPELAGO
16.4S 143.9W

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00603	.0	.5	.9	3.3	10.9	8.5	1.9	.5	.0	.0	26.5	73.5	211
06609	.0	.5	.0	3.9	5.3	7.3	1.0	.0	.5	.0	18.4	81.6	206
12615	.0	1.0	1.0	2.9	10.6	5.8	2.4	.0	.0	.0	23.7	76.3	207
18621	.0	.0	1.0	3.9	8.3	8.3	1.9	.0	.5	.0	23.8	76.2	206
TOT	0	4	6	29	73	62	15	1	2	0	192	638	830
PCT	.0	.5	.7	3.5	8.8	7.5	1.8	.1	.2	.0	23.1	76.9	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00603	.5	.0	.5	3.7	12.0	83.4	217
06609	.0	.4	.0	4.8	22.3	72.5	229
12615	.0	.0	.0	2.4	25.1	72.5	211
18621	.0	.4	.0	2.2	16.1	81.3	224
TOT	1	2	1	29	166	682	881
PCT	.1	.2	.1	3.3	18.8	77.4	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET, NH >4/8), BY HOUR

HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL OBS
00603	.0	2.0	8.9	20.3	70.8	202
06609	.0	.5	9.0	13.8	77.1	188
12615	.0	1.6	5.7	18.7	75.0	193
18621	.0	1.0	5.6	19.4	75.0	196
TOT	0	10	57	141	581	779
PCT	.0	1.3	7.3	18.1	74.6	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
85/89	.0	.0	.0	.1	.0	.1	.0	.0	2	.2
80/84	.0	.0	.1	.1	3.8	11.4	3.9	.5	167	19.9
75/79	.0	.0	.0	1.0	7.0	32.9	23.0	5.4	581	69.2
70/74	.0	.0	.0	.5	2.1	2.4	4.0	1.5	89	10.6
65/69	.0	.0	.0	.0	.0	.0	.1	.0	1	.1
TOTAL	0	0	1	14	109	393	261	62	840	100.0
PCT	.0	.0	.1	1.7	13.0	46.8	31.1	7.4		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

	N	NE	E	SE	S	SW	W	NW	VAR	CALM
	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0
	1.4	4.3	10.7	2.1	.5	.1	.1	.4	.0	.2
	4.1	7.7	34.4	16.3	2.1	.7	1.2	2.3	.0	.5
	.2	.2	3.3	4.9	1.3	.5	.1	.1	.0	.0
	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0
	5.7	12.4	48.4	23.5	3.8	1.3	1.4	2.8	.0	.7

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00603	88	84	83	79	73	72	71	78.8	220
06609	83	81	80	78	73	71	71	77.2	238
12615	81	80	80	77	73	70	68	76.6	215
18621	84	83	82	78	74	73	72	78.1	229
TOT	88	83	82	78	73	71	68	77.7	902

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00603	.0	3.8	17.4	54.0	20.7	4.2	75	213
06609	.0	.5	8.8	49.1	31.0	10.6	79	216
12615	.0	.5	10.6	37.0	43.3	8.7	79	208
18621	.0	2.3	14.7	46.5	30.4	6.0	77	217
TOT	0	15	110	399	267	63	78	854

PERIOD: (PRIMARY) 1964-1977
(OVER-ALL) 1923-1977

AREA 0018 TUAMOTU ARCHIPELAGO
16.4S 143.9W

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	65 68	69 72	73 76	77 80	81 84	85 88	TOT	W FOG	WO FOG
11/13	.0	.0	.0	.1	.0	.0	1	.0	.1
9/10	.0	.0	.0	.1	.0	.1	2	.0	.2
7/8	.0	.0	.0	.1	.1	.0	2	.0	.2
6	.0	.0	.0	.0	.6	.0	5	.0	.6
5	.0	.0	.1	.7	.1	.1	9	.0	1.1
4	.0	.0	.0	.6	.8	.0	12	.0	1.4
3	.0	.0	.1	1.8	1.3	.0	27	.0	3.2
2	.0	.0	.0	2.6	2.3	.0	41	.0	4.9
1	.0	.0	1.2	5.4	2.0	.0	72	.1	8.5
0	.0	.1	2.6	12.2	2.6	.0	147	.0	17.6
-1	.0	.0	4.1	11.9	.5	.0	137	.0	16.4
-2	.0	.0	5.0	9.9	1.3	.0	136	.0	16.3
-3	.0	.2	6.2	7.1	.2	.0	115	.1	13.7
-4	.0	.0	4.1	3.5	.0	.0	63	.0	7.5
-5	.0	.4	2.6	1.2	.0	.0	35	.0	4.2
-6	.0	.5	1.0	.1	.0	.0	13	.0	1.6
-7/-8	.0	.1	1.1	.1	.0	.0	11	.0	1.3
-9/-10	.1	.2	.2	.1	.0	.0	6	.0	.7
-11/-13	.0	.0	.1	.0	.0	.0	1	.0	.1
TOTAL	1	13	238	481	100	2	835	2	833
PCT	.1	1.6	28.5	57.6	12.0	.2	100.0	.2	99.8

PERIOD: (OVER-ALL) 1963-1977

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.5	.0	.0	.0	.0	.5
1-2	.0	1.2	1.2	.0	.0	.0	2.4
3-4	.0	.3	1.5	.2	.0	.0	2.1
5-6	.0	.2	.3	.1	.0	.0	.6
7	.0	.0	.1	.0	.0	.0	.1
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	2.2	3.2	.4	.0	.0	5.8

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.3	1.2	.0	.0	.0	.0	1.5
1-2	.0	1.6	3.5	.0	.0	.0	5.1
3-4	.0	1.3	3.3	.2	.0	.0	4.7
5-6	.0	.2	1.1	.1	.0	.0	1.5
7	.0	.0	.2	.2	.0	.0	.4
8-9	.0	.0	*	.0	.0	.0	*
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.3	4.3	8.1	.5	.0	.0	13.2

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.1	.7	.0	.0	.0	.0	.8
1-2	.0	5.3	7.0	.0	.0	.0	12.3
3-4	.0	4.5	11.0	1.5	.0	.0	17.0
5-6	.0	1.7	8.2	1.7	.0	.0	11.5
7	.0	.4	2.9	.9	.0	.0	4.2
8-9	.0	.1	1.2	.7	.0	.0	2.0
10-11	.0	.0	.1	.5	.2	.0	.8
12	.0	.0	.0	.1	.0	.0	.1
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.1	12.7	30.4	3.3	.2	.0	48.9

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	1.0	*	.0	.0	.0	1.0
1-2	.0	2.6	3.0	.0	.0	.0	5.6
3-4	.0	1.2	4.1	.8	.0	.0	6.1
5-6	.0	.2	5.3	1.2	.0	.0	6.7
7	.0	.1	1.7	1.2	.0	.0	3.0
8-9	.0	.0	.6	.4	.0	.0	1.1
10-11	.0	.0	.3	.1	*	.0	.4
12	.0	.0	.0	.2	.0	.0	.2
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	5.1	15.1	3.9	*	.0	24.2

PERIOD: (OVER-ALL) 1963-1977 AUGUST AREA 0018 TUAMOTU ARCHIPELAGO

TABLE 18 (CONT) 16.4S 143.9W

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

S

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.1	.4	.1	.0	.0	.0	.7
1-2	.0	.6	.4	.0	.0	.0	1.0
3-4	.0	.1	.7	.0	.0	.0	.9
5-6	.0	.1	.5	.0	.0	.0	.6
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.1	1.3	1.7	.0	.0	.0	3.2

SW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.1	.0	.0	.0	.0	.1
1-2	.0	*	.6	.0	.0	.0	.6
3-4	.0	.0	.1	*	.0	.0	.2
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.2	.7	*	.0	.0	.9

W

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.1	.0	.0	.0	.0	.1
1-2	.0	.4	.1	.0	.0	.0	.5
3-4	.0	.0	.0	.1	.0	.0	.1
5-6	.0	.0	.2	.0	.0	.0	.2
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.6	.4	.1	.0	.0	1.1

NW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	.1	.6	.0	.0	.0	.0	.7	
1-2	.0	.4	.6	.0	.0	.0	1.0	
3-4	.0	.1	.3	*	.0	.0	.5	
5-6	.0	*	*	.0	.0	.0	.1	
7	.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.1	1.2	.9	*	.0	.0	2.3	99.4

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	1.3	4.7	.1	.0	.0	.0	6.1	
1-2	.0	12.2	16.4	.0	.0	.0	28.6	
3-4	.0	7.5	21.1	3.0	.0	.0	31.6	
5-6	.0	2.5	15.6	3.1	.0	.0	21.2	
7	.0	.6	5.0	2.3	.0	.0	7.8	
8-9	.0	.1	1.8	1.1	.0	.0	3.1	
10-11	.0	.0	.4	.6	.3	.0	1.3	
12	.0	.0	.0	.3	.0	.0	.3	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	1.3	27.6	60.5	10.3	.3	.0	100.0	706

PERIOD: (OVER-ALL) 1950-1977 TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	1.9	5.1	10.0	9.5	3.2	1.4	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	243	4
6-7	.0	1.4	9.7	9.5	6.1	2.1	1.3	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	235	5
8-9	.0	.5	4.9	5.8	5.6	1.4	1.2	.4	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	156	6
10-11	.0	.0	.9	.9	.5	.8	.3	.8	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	34	7
12-13	.0	.0	.9	.1	.4	.1	.4	.1	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	18	7
>13	.0	.0	.0	.0	.5	.3	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	11	8
INDET	.5	.4	1.9	3.4	1.4	.8	.3	.4	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	74	6
TOTAL	19	58	219	227	137	53	31	15	11	1	0	0	0	0	0	0	0	0	0	771	5
PCT	2.5	7.5	28.4	29.4	17.8	6.9	4.0	1.9	1.4	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

SEPTEMBER

PERIOD: (PRIMARY) 1965-1977
(OVER-ALL) 1871-1977

AREA 0018 TUAMOTU ARCHIPELAGO
16.4S 143.8W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
N	11.3	3.8	.0	.0	.0	.0	.0	15.1	2.8	.0	3.8	.0	.0	.0		78.3
NE	2.0	1.8	.9	.0	.0	.0	.0	4.8	4.5	1.8	.9	.0	.0	.0		88.0
E	.5	3.5	.2	.0	.0	.0	.0	4.2	1.9	.2	.6	.0	.4	.2		92.5
SE	1.0	4.2	1.0	.0	.0	.0	.0	5.7	2.0	.5	.0	.0	.0	.0		91.7
S	1.8	1.8	.0	.0	.0	.0	.0	3.7	.0	.0	.0	.0	.0	.0		96.3
SW	13.9	.0	.0	.0	.0	.0	.0	13.9	.0	.0	.0	.0	.0	.0		86.1
W	13.2	11.3	.0	.0	.0	.0	.0	24.5	.0	.0	.0	.0	.0	.0		75.5
NW	1.6	3.3	.0	.0	.0	.0	.0	4.9	13.1	.0	.0	.0	.0	.0		82.0
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		100.0
TOT PCT	1.6	3.4	.4	.0	.0	.0	.0	5.3	2.3	.4	.5	.0	.2	.1		91.1
TOT OBS:	925															

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
00&03	1.6	4.5	.0	.0	.0	.0	.0	6.1	1.2	.0	.0	.0	.0	.4		92.2
06&09	2.5	1.7	.8	.0	.0	.0	.0	4.6	2.1	.8	1.3	.0	.8	.0		90.3
12&15	1.7	2.1	.8	.0	.0	.0	.0	4.6	2.9	.8	.4	.0	.0	.0		91.3
18&21	.4	4.9	.0	.0	.0	.0	.0	5.4	2.7	.0	.4	.0	.0	.0		91.5
TOT PCT	1.6	3.3	.4	.0	.0	.0	.0	5.2	2.2	.4	.5	.0	.2	.1		91.3
TOT OBS:	947															

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	WIND SPEED (KNOTS)									HOUR (GMT)							
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	.0	1.6	.9	.3	.0	.0		2.9	11.3	3.4	.0	3.6	3.8	.3	7.4	4.1	.0
NE	.1	6.3	5.7	.1	.0	.0		12.3	10.7	10.7	1.9	13.3	26.3	10.8	16.2	13.5	12.5
E	.4	16.9	32.3	3.5	.0	.0		53.1	13.6	56.5	63.5	51.6	33.8	53.2	30.9	54.2	48.4
SE	.3	4.2	13.9	2.8	.0	.0		21.2	15.4	19.0	26.9	21.7	18.8	23.9	22.1	19.2	32.8
S	.4	.8	2.5	.7	.0	.0		4.4	14.2	2.9	7.7	4.7	12.5	4.7	5.9	4.4	.0
SW	.2	1.0	.6	.1	.0	.0		1.9	8.6	1.9	.0	1.8	.0	2.3	13.2	1.0	.0
W	.1	.9	.2	.2	.0	.0		1.4	10.2	1.4	.0	1.3	5.0	.3	4.4	2.1	.0
NW	*	1.1	.5	.0	.0	.0		1.6	10.4	2.9	.0	.6	.0	1.4	.0	1.5	6.3
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	1.4							1.4	.0	1.3	.0	1.3	.0	3.2	.0	.0	.0
TOT OBS	27	315	542	74	0	0	958		13.2	232	13	223	20	222	17	215	16
TOT PCT	2.8	32.9	56.6	7.7	.0	.0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

	WIND SPEED (KNOTS)								HOUR (GMT)			
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	06 09	12 15	18 21
N	.8	1.5	.6	.0	.0		2.9	11.3	3.3	3.6	.8	3.8
NE	2.4	9.1	.8	.0	.0		12.3	10.7	10.2	14.4	11.2	13.4
E	3.4	35.9	13.0	.8	.0		53.1	13.6	56.8	50.1	51.6	53.8
SE	1.2	11.4	7.8	.8	.0		21.2	15.4	19.4	21.5	23.7	20.1
S	.8	2.2	1.1	.2	.0		4.4	14.2	3.2	5.3	4.8	4.1
SW	.9	.8	.2	.0	.0		1.9	8.6	1.8	1.6	3.0	1.0
W	.5	.6	.2	.0	.0		1.4	10.2	1.3	1.6	.6	1.9
NW	.3	1.2	.1	.0	.0		1.6	10.4	2.8	.5	1.3	1.8
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	1.4						1.4	.0	1.2	1.2	2.9	.0
TOT OBS	112	600	229	17	0	958		13.2	245	243	239	231
TOT PCT	11.7	62.6	23.9	1.8	.0		100.0		100.0	100.0	100.0	100.0

SEPTEMBER

PERIOD: (PRIMARY) 1965-1977
(OVER-ALL) 1871-1977

AREA 0018 TUAMOTU ARCHIPELAGO
16.4S 143.8W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS) 1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00&03	1.2	1.6	29.6	59.6	7.8	.0	.0	13.7	100.0	245
06&09	1.2	1.2	36.2	50.6	10.7	.0	.0	13.3	100.0	243
12&15	2.9	1.3	33.1	57.3	5.4	.0	.0	12.6	100.0	239
18&21	.0	1.7	32.5	58.9	6.9	.0	.0	13.3	100.0	231
TOT	13	14	315	542	74	0	0	13.2		958
PCT	1.4	1.5	32.9	56.6	7.7	.0	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	4.7	5.5	8.8	5.5		4.6
NE	3.5	3.9	3.2	7.7		3.8
E	16.5	21.3	13.5	2.8		3.6
SE	5.1	5.9	8.6	1.1		4.4
S	1.1	1.5	1.9	2.2		4.3
SW	.9	.4	.7	.2		4.0
W	.2	.2	.6	.6		5.5
NW	.1	.7	.7	.2		4.8
VAR	.0	.0	.0	.0		.0
CALM	.5	.1	.4	.1		3.7
TOT OBS	239	289	253	54	835	3.9
TOT PCT	28.6	34.6	30.3	6.5	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT,NH >4/8) AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

WND DIR	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	TOTAL OBS
N	.0	.0	.0	.2	.3	.4	.0	.0	.0	.0	1.7	
NE	.0	.1	.0	.7	.9	.8	.1	.0	.0	.0	8.7	
E	.1	.0	1.0	2.6	3.1	2.6	.4	.1	.1	.0	43.9	
SE	.0	.0	.4	.8	2.5	1.9	1.0	*	*	.0	14.1	
S	.0	.0	.0	.0	1.0	.7	.1	.1	.0	.0	2.8	
SW	.0	.0	.0	.0	.1	.5	.0	.1	.0	.0	1.3	
W	.0	.0	.0	.1	.4	.2	.1	.0	.0	.0	.7	
NW	.0	.0	.0	.0	.6	.1	.0	.0	.0	.0	1.1	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.0	.1	.0	.0	.1	.1	.0	.0	.0	.7	
TOT OBS	1	1	12	37	75	62	16	3	1	0	627	835
TOT PCT	.1	.1	1.4	4.4	9.0	7.4	1.9	.4	.1	.0	75.1	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) * OR >10	* OR >5	* OR >2	* OR >1	* OR >1/2	* OR >1/4	* OR >30YD	* OR >0
* OR >6500	.0	.1	.1	.1	.1	.1	.1	.1
* OR >5000	.0	.2	.5	.5	.5	.5	.5	.5
* OR >3500	.9	2.0	2.4	2.4	2.4	2.4	2.4	2.4
* OR >2000	6.1	9.0	9.9	9.9	9.9	9.9	9.9	9.9
* OR >1000	12.0	17.2	18.7	18.8	18.8	18.8	18.8	18.8
* OR >600	15.3	21.0	23.0	23.1	23.3	23.3	23.3	23.3
* OR >300	15.5	22.1	24.4	24.6	24.7	24.7	24.8	24.8
* OR >150	15.5	22.1	24.4	24.7	24.8	24.8	24.9	24.9
* OR > 0	15.5	22.1	24.6	24.8	24.9	24.9	25.0	25.0
TOTAL	132	188	209	211	212	212	213	213

TOTAL NUMBER OF OBS: 851

PCT FREQ NH <5/8: 75.0

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8 OBSCD	TOTAL OBS
3.1	12.4	23.0	21.6	13.9	7.6	7.6	6.1	4.7	.1	909

SEPTEMBER

PERIOD: (PRIMARY) 1965-1977
(OVER-ALL) 1871-1977

AREA 0018 TUAMOTU ARCHIPELAGO
16.4S 143.8W

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	*	.1	.0	.0	.0	.0	.0	.0	.0	.1	
	NO PCP	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.2	
	TOT %	.0	*	.3	.0	.0	.0	.0	.0	.0	.0	.3	
1/2<1	PCP	.1	*	.0	.0	.0	.0	.0	.0	.0	.0	.1	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.1	*	.0	.0	.0	.0	.0	.0	.0	.0	.1	
1<2	PCP	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.3	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.3	
2<5	PCP	.0	.1	.7	*	.0	.1	.3	.1	.0	.0	1.2	
	NO PCP	.0	.3	.5	.7	.1	.2	.1	.1	.0	.0	2.1	
	TOT %	.0	.4	1.2	.7	.1	.3	.4	.2	.0	.0	3.2	
5<10	PCP	.2	.1	.7	.5	.2	.1	.0	.0	.0	.0	1.7	
	NO PCP	.8	2.1	6.5	3.1	1.4	.4	.2	.3	.0	.5	15.2	
	TOT %	.9	2.1	7.2	3.5	1.5	.5	.2	.3	.0	.5	16.9	
10+	PCP	.1	.2	.7	.7	.0	*	.1	*	.0	.0	1.8	
	NO PCP	1.7	8.9	43.9	16.3	2.8	1.1	.8	1.1	.0	.8	77.3	
	TOT %	1.7	9.1	44.5	17.0	2.8	1.1	.8	1.2	.0	.8	79.1	
	TOT OBS												924
	TOT PCT	2.9	11.8	53.3	21.3	4.4	1.9	1.4	1.7	.0	1.3	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	*	.1	.0	.0	.0	.0	.0	.0		.1	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.2	.0	.0	.0	.0	.0	.0		.2	
	TOT %	.0	*	.3	.0	.0	.0	.0	.0	.0	.0	.3	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.1	*	.0	.0	.0	.0	.0	.0	.0		.1	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.1	*	.0	.0	.0	.0	.0	.0	.0	.0	.1	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	*	.1	.0	.0	.0	.0	.0	.0		.1	
	11-21	.1	.1	.0	.0	.0	.0	.0	.0	.0		.2	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.3	
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.1	.5	.0	.0	.1	.1	.1	.0		1.0	
	11-21	.0	.2	.6	.5	.1	.1	.2	.1	.0		1.7	
	22+	.0	.0	.1	.2	.0	.1	.1	.0	.0		.5	
	TOT %	.0	.4	1.2	.7	.1	.3	.4	.2	.0	.0	3.2	
5<10	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.5	
	4-10	.7	.6	.5	.1	.4	.4	.1	.2	.0		3.0	
	11-21	.1	1.4	5.9	2.9	.6	.1	.0	.1	.0		11.1	
	22+	.2	.1	.8	.5	.5	*	.1	.0	.0		2.2	
	TOT %	.9	2.1	7.2	3.5	1.5	.5	.2	.3	.0	.5	16.9	
10+	0-3	.0	.1	.4	.3	.4	.2	.1	*	.0	.8	2.3	
	4-10	.9	5.0	15.2	3.8	.4	.6	.8	.8	.0		27.5	
	11-21	.6	3.9	26.4	10.7	1.8	.4	.0	.4	.0		44.3	
	22+	.2	.1	2.5	2.1	.2	.0	.0	.0	.0		5.1	
	TOT %	1.7	9.1	44.5	17.0	2.8	1.1	.8	1.2	.0	.8	79.1	
	TOT OBS												924
	TOT PCT	2.9	11.8	53.3	21.3	4.4	1.9	1.4	1.7	.0	1.3	100.0	

SEPTEMBER

PERIOD: (PRIMARY) 1965-1977
(OVER-ALL) 1871-1977

AREA 0018 TUAMOTU ARCHIPELAGO
16.4S 143.8W

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00&03	.0	.0	2.1	3.7	8.7	7.5	2.9	.0	.0	.0	24.9	75.1	241
06&09	.0	.0	1.0	4.9	4.9	7.3	1.5	.5	.0	.0	20.0	80.0	205
12&15	.4	.0	1.8	5.3	8.4	7.9	1.3	.9	.0	.0	26.0	74.0	227
18&21	.0	.5	.9	3.3	12.3	6.1	1.4	.0	.5	.0	25.0	75.0	212
TOT	1	1	13	38	76	64	16	3	1	0	213	672	885
PCT	.1	.1	1.5	4.3	8.6	7.2	1.8	.3	.1	.0	24.1	75.9	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00&03	.0	.4	.4	4.5	9.4	85.3	245
06&09	.8	.0	.0	3.0	23.2	73.0	237
12&15	.4	.0	.0	3.3	22.1	74.2	240
18&21	.0	.0	.9	2.2	12.9	83.9	224
TOT	3	1	3	31	160	748	946
PCT	.3	.1	.3	3.3	16.9	79.1	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET, NH >4/8), BY HOUR

HOUR (GMT)	<150 <50VD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL OBS
00&03	.0	2.5	9.7	16.5	73.7	236
06&09	.0	1.5	8.6	13.6	77.8	198
12&15	.5	2.8	11.2	18.2	70.6	214
18&21	.0	1.5	6.9	20.2	72.9	203
TOT	1	18	78	146	627	851
PCT	.1	2.1	9.2	17.2	73.7	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
90/94	.0	.0	.1	.0	.0	.0	.1	.0	2	.2
85/89	.0	.0	.0	.0	.3	.6	.0	.0	8	.9
80/84	.0	.0	.2	.3	3.9	12.1	3.9	1.0	192	21.5
75/79	.0	.0	.0	.2	5.1	33.3	23.8	6.1	614	68.6
70/74	.0	.0	.0	.3	1.2	2.2	2.9	2.0	78	8.7
65/69	.0	.0	.0	.0	.0	.0	.1	.0	1	.1
TOTAL	0	0	3	8	95	431	276	82	895	100.0
PCT	.0	.0	.3	.9	10.6	48.2	30.8	9.2		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
.0	.1	.1	.0	.0	.0	.0	.0	.0	.0
.0	.3	.4	.1	.1	.0	.0	.0	.0	.0
1.0	3.5	12.3	3.5	.1	.2	.1	.4	.0	.3
1.4	7.9	38.5	14.1	2.9	.8	.9	1.2	.0	.9
.3	.4	2.0	3.7	1.2	.6	.3	.1	.0	.1
.0	.0	.0	.0	.0	.1	.0	.0	.0	.0
2.7	12.2	53.3	21.3	4.4	1.8	1.4	1.6	.0	1.3

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00&03	91	86	84	79	75	72	70	79.1	246
06&09	83	81	80	78	73	71	70	77.3	254
12&15	81	80	79	77	72	70	68	76.4	242
18&21	91	84	82	78	74	73	72	78.3	235
TOT	91	84	82	78	73	70	68	77.8	977

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00&03	.0	2.1	18.8	56.9	16.3	5.9	75	239
06&09	.0	.9	6.6	44.5	40.1	7.9	79	227
12&15	.0	.4	3.4	43.2	36.3	16.7	81	234
18&21	.0	1.4	13.8	45.2	31.3	8.3	78	217
TOT	0	11	98	436	283	89	78	917

SEPTEMBER

PERIOD: (PRIMARY) 1965-1977
(OVER-ALL) 1871-1977

AREA 0018 TUAMOTU ARCHIPELAGO
16.4S 143.4W

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	65 68	69 72	73 76	77 80	81 84	85 88	89 92	TOT	W FOG	WO FOG
17/19	.0	.0	.0	.0	.0	.0	.1	1	.0	.1
14/16	.0	.0	.0	.0	.0	.0	.2	2	.0	.2
11/13	.0	.0	.0	.0	.0	.1	.1	2	.0	.2
9/10	.0	.0	.0	.0	.3	.0	.0	3	.0	.3
7/8	.0	.0	.0	.2	.1	.1	.0	4	.0	.4
6	.0	.0	.0	.0	.2	.3	.0	5	.0	.5
5	.0	.0	.0	1.0	.8	.2	.0	18	.0	2.0
4	.0	.0	.1	1.3	1.3	.1	.0	26	.0	2.9
3	.0	.0	.0	1.1	1.2	.0	.0	21	.1	2.2
2	.0	.0	.1	3.6	2.4	.0	.0	56	.0	6.1
1	.0	.0	.7	6.0	1.9	.0	.0	78	.0	8.6
0	.0	.0	1.5	12.3	1.8	.0	.0	142	.1	15.5
-1	.0	.0	6.3	12.9	.8	.0	.0	182	.1	19.8
-2	.0	.1	5.3	9.1	.4	.0	.0	136	.1	14.8
-3	.0	.1	4.8	6.0	.2	.0	.0	102	.0	11.2
-4	.0	.4	4.3	2.9	.0	.0	.0	69	.0	7.6
-5	.1	.7	2.5	1.2	.0	.0	.0	41	.0	4.5
-6	.0	.8	.4	.1	.0	.0	.0	12	.0	1.3
-7/-8	.0	.3	.3	.4	.0	.0	.0	10	.1	1.0
-9/-10	.0	.0	.2	.0	.0	.0	.0	2	.0	.2
TOTAL	1	22	242	531	104	8	4	912	5	907
PCT	.1	2.4	26.6	58.2	11.4	.9	.4	100.0	.5	99.5

PERIOD: (OVER-ALL) 1963-1977

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.6	.1	.0	.0	.0	.7
1-2	.0	.6	.5	.0	.0	.0	1.1
3-4	.0	.0	.1	.0	.0	.0	.1
5-6	.0	.0	.0	.1	.0	.0	.1
7	.0	.0	.0	.2	.0	.0	.2
8-9	.0	.0	.1	.0	.0	.0	.1
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.1	.0	.0	.0	.1
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	1.1	1.0	.3	.0	.0	2.4

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.1	.5	.0	.0	.0	.0	.6
1-2	*	3.8	2.1	.0	.0	.0	5.9
3-4	.0	.9	2.4	.0	.0	.0	3.4
5-6	.0	.3	1.1	*	.0	.0	1.4
7	.0	.0	.3	.1	.0	.0	.4
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.2	5.5	5.9	.1	.0	.0	11.7

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.7	.4	.0	.0	.0	1.1
1-2	.2	8.2	8.1	.0	.0	.0	16.6
3-4	.0	4.5	12.0	1.0	.0	.0	17.4
5-6	.0	1.0	9.3	1.0	.0	.0	11.3
7	.0	.0	2.6	1.0	.0	.0	3.6
8-9	.0	.0	.9	.4	.0	.0	1.3
10-11	.0	.0	.3	.4	.0	.0	.6
12	.0	.1	.0	.4	.0	.0	.5
13-16	.0	.0	.0	.2	.0	.0	.2
17-19	.0	.1	.0	.0	.0	.0	.1
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.2	14.7	33.6	4.2	.0	.0	52.8

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.4	.3	.0	.0	.0	.7
1-2	.3	2.4	3.7	.0	.0	.0	6.4
3-4	.0	.8	4.1	.9	.0	.0	5.8
5-6	.0	.2	4.2	.5	.0	.0	4.9
7	.0	.0	1.5	.6	.0	.0	2.1
8-9	.0	.0	.4	.5	.0	.0	.9
10-11	.0	.0	.3	.3	.0	.0	.6
12	.0	.0	.0	.3	.0	.0	.3
13-16	.0	.0	.0	*	.0	.0	*
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.3	3.8	14.5	3.0	.0	.0	21.6

PERIOD: (OVER-ALL) 1963-1977

SEPTEMBER

AREA 0018 TUAMOTU ARCHIPELAGO
16.4S 143.8W

TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

S

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.2	.0	.0	.0	.0	.0	.2
1-2	.1	.6	.2	.0	.0	.0	.9
3-4	.0	.1	.6	.3	.0	.0	1.0
5-6	.0	.1	1.7	.2	.0	.0	2.0
7	.0	.0	.4	.3	.0	.0	.6
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.3	.8	2.8	.8	.0	.0	4.8

SW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.2	.2	.0	.0	.0	.0	.4
1-2	.0	.6	.0	.0	.0	.0	.6
3-4	.0	.5	.2	.2	.0	.0	.8
5-6	.0	.0	.3	.0	.0	.0	.3
7	.0	.0	.3	.0	.0	.0	.3
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.2	1.2	.7	.2	.0	.0	2.3

W

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.2	.0	.0	.0	.0	.2
1-2	.0	.6	.2	.0	.0	.0	.8
3-4	.0	.2	.0	.1	.0	.0	.3
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.1	.0	.0	.1
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	1.0	.2	.3	.0	.0	1.5

NW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	.0	.4	.0	.0	.0	.0	.4	
1-2	.0	.6	.3	.0	.0	.0	1.0	
3-4	.0	.1	.3	.0	.0	.0	.4	
5-6	.0	.1	.0	.0	.0	.0	.1	
7	.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	*	.0	.0	.0	*	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.0	1.9	.6	.0	.0	.0	1.9	99.0

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	1.3	3.0	.8	.0	.0	.0	5.0	
1-2	1.0	17.5	15.1	.0	.0	.0	33.6	
3-4	.1	7.1	19.5	2.5	.0	.0	29.2	
5-6	.0	1.7	16.6	1.8	.0	.0	20.1	
7	.0	.0	5.0	2.2	.0	.0	7.2	
8-9	.0	.0	1.4	.9	.0	.0	2.3	
10-11	.0	.0	.5	.6	.0	.0	1.2	
12	.0	.1	.0	.6	.0	.0	.8	
13-16	.0	.0	.0	.3	.0	.0	.3	
17-19	.0	.1	.0	.0	.0	.0	.1	
20-22	.0	.0	.1	.0	.0	.0	.1	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	2.5	29.5	59.1	8.9	.0	.0	100.0	773

PERIOD: (OVER-ALL) 1949-1977

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	1.8	6.9	11.1	6.2	2.9	1.3	.4	.4	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	264	4
6-7	.0	1.5	8.9	8.4	3.8	2.1	1.1	.6	.4	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	230	5
8-9	.0	1.5	2.5	6.1	4.5	2.6	1.2	.4	.4	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	163	6
10-11	.0	1.2	.4	1.2	2.7	.7	.2	.5	.9	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	68	7
12-13	.0	.0	.8	.9	1.4	.4	.2	.2	.2	.1	.2	.0	.0	.0	.0	.0	.0	.0	.0	39	8
>13	.0	.0	.0	.4	.6	.2	.1	.0	.0	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	13	9
INDET	.7	1.5	1.2	1.8	1.4	.9	.9	.2	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	76	5
TOTAL	19	108	212	214	147	70	35	19	18	8	3	0	0	0	0	0	0	0	0	853	5
PCT	2.2	12.7	24.9	25.1	17.2	8.2	4.1	2.2	2.1	.9	.4	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

OCTOBER

PERIOD: (PRIMARY) 1962-1977
(OVER-ALL) 1925-1977

AREA 0018 TUAMOTU ARCHIPELAGO
16.4S 144.5W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG	DUST BLWG SNOW	NO SIG WEA
N	2.5	5.6	.0	.0	.0	.0	.0	8.0	1.9	.0	.0	.0	.0	.0	.0	90.1
NE	1.8	1.1	.0	.0	.0	.0	.0	2.9	4.3	.0	.5	.0	.0	.0	.0	92.3
E	.7	3.0	.5	.0	.0	.0	.0	4.2	1.8	.3	.7	.0	.0	.0	.0	93.1
SE	1.3	2.4	.0	.0	.0	.0	.0	3.7	1.4	.0	.5	.0	.0	.0	.0	94.4
S	.0	3.7	.0	.0	.0	.0	.0	3.7	6.5	.0	.0	.0	.0	.0	.0	89.8
SW	11.8	23.5	.0	.0	.0	.0	.0	35.3	14.7	.0	.0	.0	.0	.0	.0	50.0
W	.0	13.6	.0	.0	.0	.0	.0	13.6	.0	.0	.0	.0	.0	.0	.0	86.4
NW	10.8	8.1	.0	.0	.0	.0	.0	18.9	.0	.0	.0	.0	.0	.0	.0	81.1
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
TOT PCT	1.4	3.2	.3	.0	.0	.0	.0	4.8	2.3	.1	.5	.0	.0	.0	.0	92.3
TOT OBS:	793															

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG	DUST BLWG SNOW	NO SIG WEA
00&03	1.5	2.0	.0	.0	.0	.0	.0	3.5	3.5	.0	.0	.0	.0	.0	.0	93.0
06&09	1.5	3.5	.0	.0	.0	.0	.0	5.0	2.5	.5	1.5	.0	.0	.0	.0	90.5
12&15	1.0	4.0	1.0	.0	.0	.0	.0	6.0	2.0	.0	.0	.0	.0	.0	.0	92.0
18&21	1.9	3.4	.0	.0	.0	.0	.0	5.3	1.4	.0	.5	.0	.0	.0	.0	92.8
TOT PCT	1.5	3.2	.2	.0	.0	.0	.0	5.0	2.4	.1	.5	.0	.0	.0	.0	92.1
TOT OBS:	808															

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	WIND SPEED (KNOTS)									HOUR (GMT)							
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	.3	2.4	2.5	.0	.0	.0		5.2	10.8	5.0	.0	4.7	.0	4.4	.0	8.2	2.6
NE	*	9.0	4.4	*	.0	.0		13.5	9.9	14.8	5.9	12.5	.0	14.6	.0	14.4	19.7
E	.9	22.0	23.2	2.3	.0	.0		48.4	11.8	49.6	50.0	51.1	50.0	46.4	55.9	46.4	40.8
SE	.3	6.1	17.2	1.4	.0	.0		24.9	14.3	24.9	32.4	25.0	42.3	24.9	26.5	23.4	22.4
S	.2	1.8	1.4	.0	.0	.0		3.4	10.9	2.0	5.9	3.0	7.7	4.4	11.8	2.5	9.2
SW	.1	.5	.4	.0	.0	.0		1.0	8.7	.9	.0	.6	.0	1.1	5.9	.8	5.8
W	.0	.7	.0	.0	.0	.0		.7	6.6	.4	4.4	.0	.0	.5	.0	1.5	.5
NW	*	1.0	1.2	.0	.0	.0		2.2	11.1	1.9	1.5	2.5	.0	3.3	.0	1.9	.5
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.6							.6	.0	.5	.0	.5	.0	.5	.0	1.0	.5
TOT OBS	21	364	422	31	0	0	838		11.9	186	17	198	13	189	17	199	19
TOT PCT	2.5	43.4	50.4	3.7	.0	.0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

	WIND SPEED (KNOTS)								HOUR (GMT)			
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	06 09	12 15	18 21
N	1.1	3.3	.8	.0	.0		5.2	10.8	4.6	4.4	4.0	7.7
NE	2.4	10.7	.4	.0	.0		13.5	9.9	14.0	11.7	13.3	14.9
E	7.1	33.7	7.1	.5	.0		48.4	11.8	49.6	51.1	47.2	45.9
SE	1.8	14.7	8.4	.1	.0		24.9	14.3	25.5	26.1	25.0	23.3
S	.7	1.9	.8	.0	.0		3.4	10.9	2.3	3.3	5.0	3.1
SW	.4	.6	*	.0	.0		1.0	8.7	.9	.6	1.5	1.1
W	.4	.3	.0	.0	.0		.7	6.6	.7	.0	.5	1.4
NW	.4	1.4	.4	.0	.0		2.2	11.1	1.8	2.4	3.0	1.7
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	.6						.6	.0	.5	.5	.5	.9
TOT OBS	125	558	150	5	0	838		11.9	203	211	206	218
TOT PCT	14.9	66.6	17.9	.6	.0		100.0		100.0	100.0	100.0	100.0

OCTOBER

PERIOD: (PRIMARY) 1962-1977
(OVER-ALL) 1925-1977

AREA 0018 TUAMOTU ARCHIPELAGO
16.1S 144.5W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS) 1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00&03	.5	2.5	36.5	56.2	4.4	.0	.0	12.6	100.0	203
06&09	.5	2.4	46.4	46.0	4.7	.0	.0	11.7	100.0	211
12&15	.5	1.0	48.5	47.1	2.9	.0	.0	11.4	100.0	206
18&21	.9	1.8	42.2	52.3	2.8	.0	.0	12.0	100.0	218
TOT	5	16	364	422	31	0	0	11.9		838
PCT	.6	1.9	43.4	50.4	3.7	.0	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	1.7	1.3	1.7	.8		4.2
NE	3.6	4.0	4.5	1.0		4.0
E	14.1	18.2	14.8	2.1		3.8
SE	7.4	7.1	8.1	1.7		4.1
S	1.4	.5	1.1	.4		4.3
SW	.2	.0	.5	.3		6.1
W	.1	.0	.4	.1		5.3
NW	.1	.4	1.1	.8		6.0
VAR	.0	.0	.0	.0		.0
CALM	.1	.0	.3	.0		4.6
TOT OBS	199	218	225	50	692	4.1
TOT PCT	28.8	31.5	32.5	7.2	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT,NH >4/8) AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

WND DIR	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	TOTAL OBS
N	.0	.0	.0	.1	.8	.2	.1	.0	.0	.0	4.2	
NE	.1	.0	.3	.4	1.6	.7	.0	.2	.0	.0	9.8	
E	.0	.0	.5	1.9	4.6	2.2	.1	.7	.3	.0	39.0	
SE	.0	.0	.1	.8	3.3	2.3	.3	.3	*	.1	17.1	
S	.0	.0	.0	.5	.4	.5	.1	.0	.0	.0	1.9	
SW	.0	.0	.0	.1	.2	.3	.0	.0	.0	.0	.3	
W	.0	.0	.1	.1	.1	.0	.0	.0	.0	.0	.4	
NW	.0	.0	.2	.2	.8	.1	.1	.0	.0	.0	1.1	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.3	
TOT OBS	1	0	8	28	81	44	6	9	2	1	512	692
TOT PCT	.1	.0	1.2	4.0	11.7	6.4	.9	1.3	.3	.1	74.0	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) * OR >10	* OR >5	* OR >2	* OR >1	* OR >1/2	* OR >1/4	* OR >50YD	* OR >0
* OR >6500	.1	.4	.4	.4	.4	.4	.4	.4
* OR >5000	1.1	1.6	1.7	1.7	1.7	1.7	1.7	1.7
* OR >3500	1.9	2.3	2.6	2.6	2.6	2.6	2.6	2.6
* OR >2000	5.7	8.4	8.8	8.8	8.8	8.8	8.8	8.8
* OR >1000	11.8	18.7	20.0	20.1	20.1	20.1	20.1	20.1
* OR >600	14.4	22.0	24.1	24.3	24.3	24.3	24.3	24.3
* OR >300	14.8	22.7	25.1	25.4	25.4	25.4	25.4	25.4
* OR >150	14.8	22.7	25.1	25.4	25.4	25.4	25.4	25.4
* OR > 0	14.8	22.8	25.2	25.5	25.5	25.5	25.5	25.5
TOTAL	104	160	177	179	179	179	179	179

TOTAL NUMBER OF OBS: 701 PCT FREQ NH <5/8: 74.5

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8 OBSCD	TOTAL OBS
1.6	19.4	24.6	19.4	13.1	6.7	7.4	6.8	5.0	.0	761

OCTOBER

PERIOD: (PRIMARY) 1962-1977
(OVER-ALL) 1925-1977

AREA 0018 TUAMOTU ARCHIPELAGO
16.1S 144.5W

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	PCP	.0	.0	.1	.0	.0	.0	.1	*	.0	.0	.3	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.1	
	TOT %	.0	.0	.1	.0	.0	.0	.1	.2	.0	.0	.4	
2<5	PCP	.1	.2	.8	.2	.0	.0	.0	.1	.0	.0	1.4	
	NO PCP	.1	.0	.7	1.1	.0	.0	.0	.1	.0	.1	2.1	
	TOT %	.2	.2	1.5	1.2	.0	.0	.0	.3	.0	.1	3.5	
5<10	PCP	.2	*	.2	.4	.1	.3	.0	.3	.0	.0	1.5	
	NO PCP	.2	1.5	7.9	4.1	.6	*	.0	.5	.0	.0	14.9	
	TOT %	.4	1.6	8.0	4.6	.7	.3	.0	.8	.0	.0	16.4	
10+	PCP	.1	.2	.9	.3	.0	.1	.0	.0	.0	.0	1.6	
	NO PCP	4.4	12.0	37.6	18.8	2.7	.7	.6	1.1	.0	.3	78.0	
	TOT %	4.5	12.2	38.5	19.1	2.7	.8	.6	1.1	.0	.3	79.7	
	TOT OBS												792
	TOT PCT	5.1	14.0	48.1	24.9	3.4	1.1	.7	2.3	.0	.4	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.1	*	.0		.1	
	11-21	.0	.0	.1	.0	.0	.0	.0	.1	.0		.3	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.1	.0	.0	.0	.1	.2	.0	.0	.4	
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	
	4-10	.1	*	.5	.3	.0	.0	.0	.0	.0		.9	
	11-21	.2	.3	.9	.7	.0	.0	.0	.3	.0		2.3	
	22+	.0	.0	.1	.3	.0	.0	.0	.0	.0		.4	
	TOT %	.3	.3	1.5	1.2	.0	.0	.0	.3	.0	.1	3.7	
5<10	0-3	.0	.0	.1	.1	.0	.0	.0	.0	.0	.0	.1	
	4-10	.1	.9	2.5	.7	.0	.0	.0	.3	.0		4.4	
	11-21	.3	.7	5.3	3.6	.7	.3	.0	.5	.0		11.5	
	22+	.0	.0	.1	.3	.0	.0	.0	.0	.0		.4	
	TOT %	.4	1.6	8.0	4.6	.7	.3	.0	.8	.0	.0	16.4	
10+	0-3	.3	*	.8	.1	.3	.1	.0	.0	.0	.3	1.8	
	4-10	2.3	8.4	18.9	5.4	1.7	.5	.6	.8	.0		38.5	
	11-21	1.9	3.7	16.6	12.7	.7	.1	.0	.4	.0		36.2	
	22+	.0	*	2.2	.9	.0	.0	.0	.0	.0		3.2	
	TOT %	4.5	12.1	38.4	19.1	2.7	.8	.6	1.1	.0	.3	79.6	
	TOT OBS												793
	TOT PCT	5.2	14.0	48.1	24.9	3.4	1.1	.7	2.3	.0	.4	100.0	

OCTOBER

PERIOD: (PRIMARY) 1962-1977
(OVER-ALL) 1925-1977

AREA 0018 TUAMOTU ARCHIPELAGO
16.1S 144.5W

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00&03	.5	.0	.5	4.1	8.7	8.7	1.5	1.0	.5	.5	26.0	74.0	196
06&09	.0	.0	.6	2.4	13.6	3.6	.0	1.8	.6	.0	22.5	77.5	169
12&15	.0	.0	.0	3.3	11.4	5.4	1.6	.5	.0	.0	22.3	77.7	184
18&21	.0	.0	3.1	5.6	10.2	5.6	.0	1.5	.0	.0	26.0	74.0	196
TOT	1	0	8	29	81	44	6	9	2	1	181	564	745
PCT	.1	.0	1.1	3.9	10.9	5.9	.8	1.2	.3	.1	24.3	75.7	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00&03	.0	.0	.5	1.5	10.1	87.9	199
06&09	.0	.0	.0	4.0	23.4	72.6	201
12&15	.0	.0	1.0	4.5	21.0	73.5	200
18&21	.0	.0	.5	4.8	12.0	82.7	208
TOT	0	0	4	30	134	640	808
PCT	.0	.0	.5	3.7	16.6	79.2	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET, NH >4/8), BY HOUR

HOUR (GMT)	<150 <500YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL OBS
00&03	.5	1.1	5.8	21.1	73.2	190
06&09	.0	.6	5.8	19.9	74.4	156
12&15	.0	.0	7.9	17.4	74.7	178
18&21	.0	3.4	11.9	16.4	71.8	177
TOT	1	9	55	131	515	701
PCT	.1	1.3	7.8	18.7	73.5	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
85/89	.0	.0	.0	.1	1.3	1.0	.3	.0	21	2.7
80/84	.0	.0	.0	.1	6.7	20.9	10.5	1.0	306	39.2
75/79	.0	.0	.0	.1	3.2	25.0	21.9	4.0	423	54.2
70/74	.0	.0	.0	.0	.4	1.2	.9	1.0	27	3.5
65/69	.0	.0	.0	.0	.0	.1	.1	.0	2	.3
60/64	.0	.0	.0	.0	.0	.1	.0	.0	1	.1
TOTAL	0	0	0	3	90	377	263	47	780	100.0
PCT	.0	.0	.0	.4	11.5	48.3	33.7	6.0		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

	N	NE	E	SE	S	SW	W	NW	VAR	CALM
	.0	1.0	1.2	.4	.0	.0	.0	.0	.0	.0
	2.6	6.0	21.9	6.7	.9	*	.2	.8	.0	.1
	2.5	5.9	24.6	15.8	2.3	.9	.3	1.4	.0	.4
	.2	.3	.7	1.6	.3	.0	.1	.2	.0	.0
	.0	*	.1	.0	.1	.0	.0	.0	.0	.0
	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0
	5.3	13.3	48.5	24.6	3.7	1.1	.6	2.4	.0	.5

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00&03	94	88	86	81	76	73	73	81.0	204
06&09	84	82	81	79	75	72	68	78.4	219
12&15	82	81	80	78	74	73	69	77.7	209
18&21	86	85	83	80	76	73	64	79.6	221
TOT	94	87	84	79	75	73	64	79.2	853

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00&03	.0	1.0	22.2	50.0	22.2	4.6	75	194
06&09	.0	.0	7.2	45.6	38.5	8.7	79	195
12&15	.0	.5	4.0	45.0	44.5	6.0	80	200
18&21	.0	.0	12.7	51.5	30.9	4.9	77	204
TOT	0	3	91	381	270	48	78	793

PERIOD: (PRIMARY) 1962-1977
(OVER-ALL) 1925-1977

AREA 0018 TUAMOTU ARCHIPELAGO
16.1S 144.5W

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	61 64	65 68	69 72	73 76	77 80	81 84	85 88	89 92	>92	TOT	W FOG	WO FOG
14/16	.0	.0	.0	.0	.0	.0	.0	.0	.1	1	.0	.1
11/13	.0	.0	.0	.0	.0	.0	.0	.0	.1	1	.0	.1
9/10	.0	.0	.0	.0	.0	.0	.1	.0	.0	1	.0	.1
7/8	.0	.0	.0	.0	.1	.1	.4	.0	.0	5	.0	.6
6	.0	.0	.0	.0	.4	.0	.8	.0	.0	9	.0	1.2
5	.0	.0	.0	.0	.3	.9	.5	.0	.0	13	.0	1.7
4	.0	.0	.0	.0	.8	1.5	.6	.0	.0	23	.0	3.0
3	.0	.0	.0	.0	2.1	2.3	.0	.0	.0	39	.0	5.0
2	.0	.0	.0	.4	2.2	5.0	.0	.0	.0	59	.0	7.6
1	.0	.0	.0	.9	5.3	5.8	.0	.0	.0	93	.0	12.0
0	.0	.0	.0	.8	9.6	3.5	.0	.0	.0	108	.3	13.6
-1	.0	.0	.0	.6	15.0	2.3	.0	.0	.0	140	.1	17.9
-2	.0	.0	.0	1.5	12.5	1.5	.1	.0	.0	122	.1	15.6
-3	.0	.0	.0	1.4	5.3	.8	.0	.0	.0	58	.0	7.5
-4	.0	.0	.0	3.2	3.3	.3	.0	.0	.0	53	.0	6.8
-5	.0	.0	.0	2.1	2.1	.0	.0	.0	.0	32	.0	4.1
-6	.0	.1	.1	.3	.4	.1	.0	.0	.0	8	.0	1.0
-7/-8	.0	.0	.0	.8	.4	.1	.0	.0	.0	10	.0	1.3
-9/-10	.1	.0	.1	.1	.0	.0	.0	.0	.0	3	.0	.3
TOTAL	1	1	2	99	464	189	20	0	2	778	4	774
PCT	.1	.1	.3	12.7	59.6	24.3	2.6	.0	.3	100.0	.5	99.5

PERIOD: (OVER-ALL) 1963-1977

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.2	.0	.0	.0	.0	.0	.2
1-2	.2	1.1	.8	.0	.0	.0	2.0
3-4	.0	.8	.4	.0	.0	.0	1.2
5-6	.0	.6	.6	.0	.0	.0	.6
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.3	1.9	1.8	.0	.0	.0	4.0

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	1.0	.0	.0	.0	.0	1.0
1-2	.0	5.2	2.5	.0	.0	.0	7.6
3-4	.0	1.2	1.7	.0	.0	.0	2.9
5-6	.0	.2	.5	.0	.0	.0	.7
7	.0	.0	.1	.0	.0	.0	.1
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	7.6	4.8	.0	.0	.0	12.4

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.5	2.8	.5	.0	.0	.0	3.7
1-2	.1	10.2	8.0	.0	.0	.0	18.3
3-4	.0	6.9	9.8	.7	.0	.0	17.4
5-6	.0	1.1	4.8	.1	.0	.0	6.0
7	.0	.0	1.7	.9	.0	.0	2.6
8-9	.0	.0	.2	.6	.0	.0	.8
10-11	.0	.0	.0	.1	.0	.0	.1
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.6	21.0	24.9	2.4	.0	.0	48.9

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	*	1.1	.2	.0	.0	.0	1.3
1-2	*	3.1	5.1	.0	.0	.0	8.3
3-4	.0	2.4	6.5	.5	.0	.0	9.3
5-6	.0	.3	4.2	.4	.0	.0	4.9
7	.0	.0	1.6	.5	.0	.0	2.0
8-9	.0	.0	.3	.4	.0	.0	.7
10-11	.0	.0	.2	.2	.0	.0	.4
12	.0	.0	.2	.0	.0	.0	.2
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.1	6.9	18.2	1.9	.0	.0	27.1

PERIOD: (OVER-ALL) 1963-1977 OCTOBER AREA 0018 TUAMOTU ARCHIPELAGO
16.1S 144.5W

TABLE 16 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

S

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.2	.6	.0	.0	.0	.0	.8
1-2	.0	.8	.3	.0	.0	.0	1.2
3-4	.0	.8	.6	.0	.0	.0	1.4
5-6	.0	.0	.4	.0	.0	.0	.4
7	.0	.0	.4	.0	.0	.0	.4
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.2	2.2	1.7	.0	.0	.0	4.1

SW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.2	.0	.0	.0	.0	.0	.2
1-2	.0	.5	.2	.0	.0	.0	.7
3-4	.0	.1	.0	.0	.0	.0	.1
5-6	.0	.0	*	.0	.0	.0	*
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.2	.8	.2	.0	.0	.0	.9

W

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.1	.0	.0	.0	.0	.1
1-2	.0	.2	.0	.0	.0	.0	.2
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.4	.0	.0	.0	.0	.4

NW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	.0	*	.0	.0	.0	.0	*	
1-2	.0	.6	.5	.0	.0	.0	1.1	
3-4	.0	.2	.2	.0	.0	.0	.3	
5-6	.0	.0	.3	.0	.0	.0	.3	
7	.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.0	.8	1.0	.0	.0	.0	1.8	99.7

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	1.5	5.6	.7	.0	.0	.0	7.7	
1-2	.5	21.7	17.3	.0	.0	.0	39.5	
3-4	.0	12.3	19.1	1.2	.0	.0	32.6	
5-6	.0	1.6	10.9	.5	.0	.0	13.0	
7	.0	.0	3.8	1.3	.0	.0	5.1	
8-9	.0	.0	.5	1.0	.0	.0	1.5	
10-11	.0	.0	.2	.3	.0	.0	.5	
12	.0	.0	.2	.0	.0	.0	.2	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
								608
TOT PCT	2.0	41.3	52.5	4.3	.0	.0	100.0	

PERIOD: (OVER-ALL) 1950-1977

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	1.8	10.1	13.5	5.4	2.3	1.0	.1	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	236	3
6-7	.0	2.2	9.4	10.9	5.0	.9	.3	.0	.0	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	198	5
8-9	.0	2.2	5.6	6.0	3.4	1.2	.9	1.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	141	5
10-11	.0	.3	1.6	1.0	1.6	1.3	.3	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	43	6
12-13	.0	.0	1.6	.3	.6	.6	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	22	5
>13	.0	.0	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3	5
INDET	.7	1.0	1.9	1.9	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	39	3
TOTAL	17	108	229	177	89	34	12	9	4	2	1	0	0	0	0	0	0	0	0	682	4
PCT	2.5	15.8	33.6	26.0	13.0	5.0	1.8	1.3	.6	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

NOVEMBER

PERIOD: (PRIMARY) 1958-1977
(OVER-ALL) 1917-1977

AREA 0018 TUAMOTU ARCHIPELAGO
16.0S 144.7W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
N	6.2	2.7	1.6	.0	.0	.0	.0	10.5	8.9	.0	2.3	.0	.0		.0	78.3
NE	2.5	1.7	.2	.0	.0	.0	.0	4.3	6.3	1.3	.3	.0	.2		.0	87.9
E	.7	2.6	.2	.0	.0	.0	.0	3.5	3.8	1.5	.0	.0	.2		.0	91.2
SE	3.6	1.7	.8	.0	.0	.0	.0	5.3	2.1	.0	.0	.0	.0		.8	91.8
S	2.7	6.3	.0	.0	.0	.0	.0	9.0	2.7	2.7	.0	.0	.0		.0	85.6
SW	3.4	3.4	.0	.0	.0	.0	.0	6.9	6.9	8.0	.0	.0	.0		.0	77.6
W	8.2	2.7	4.1	.0	.0	.0	.0	15.1	24.7	.0	.0	.0	.0		.0	60.3
NW	11.6	2.9	.7	.0	.0	.0	.0	15.2	10.9	5.6	.0	.0	.0		.0	68.1
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0
CALM	.0	.0	12.5	.0	.0	.0	.0	12.5	.0	.0	.0	.0	.0		.0	87.5
TOT PCT	2.7	2.4	.6	.0	.0	.0	.0	5.6	5.2	1.4	.3	.0	.1		.1	87.3
TOT OBS:	781															

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
00&03	3.0	2.0	.0	.0	.0	.0	.0	5.0	5.5	.0	.0	.0	.0		.0	89.6
06&09	3.3	2.3	.9	.0	.0	.0	.0	6.6	5.2	3.3	1.4	.0	.0		.0	83.6
12&15	2.2	2.8	1.1	.0	.0	.0	.0	5.5	5.5	2.8	.0	.0	.6		.0	85.6
18&21	1.9	2.8	.5	.0	.0	.0	.0	5.1	5.1	.5	.0	.0	.0		.5	89.3
TOT PCT	2.6	2.5	.6	.0	.0	.0	.0	5.6	5.3	1.6	.4	.0	.1		.1	87.0
TOT OBS:	809															

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	WIND SPEED (KNOTS)									HOUR (GMT)							
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	.8	3.8	3.4	.5	.0	.0		8.5	11.0	7.9	.0	9.8	.0	5.9	.0	11.3	6.7
NE	.5	11.0	7.4	.2	.0	.0		19.1	10.0	19.4	16.7	16.1	11.1	16.0	26.6	24.1	23.3
E	.7	19.3	23.0	1.2	.0	.0		44.2	11.6	47.1	58.3	42.8	63.9	44.5	48.4	40.5	48.3
SE	.2	6.1	7.3	1.1	.0	.0		14.7	12.6	13.1	.0	14.9	2.8	19.8	12.5	13.9	10.0
S	.0	1.7	1.5	.3	.0	.0		3.4	12.3	4.2	8.3	2.6	.0	4.1	12.5	1.6	11.7
SW	.2	1.0	.6	.0	.0	.0		1.8	9.3	.8	9.3	2.7	11.1	2.6	.0	.7	.0
W	.1	1.3	.9	.1	.0	.0		2.4	10.6	2.6	.0	1.4	11.1	3.4	.0	2.8	.0
NW	.1	1.3	3.0	.2	.0	.0		4.7	13.1	4.8	8.3	7.0	.0	3.0	.0	4.1	.0
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	1.1							1.1	.0	.0	.0	2.7	.0	.6	.0	.9	.0
TOT OBS	32	382	395	31	0	0	840		11.3	189	72	221	9	164	16	214	15
TOT PCT	3.8	45.5	47.0	3.7	.0	.0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

	WIND SPEED (KNOTS)								HOUR (GMT)			
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	06 09	12 15	18 21
N	2.1	4.9	1.5	.1	.0		8.5	11.0	7.5	9.5	5.4	11.0
NE	4.1	13.8	1.1	*	.0		19.1	10.0	19.3	15.9	16.9	24.0
E	5.1	33.7	5.3	.0	.0		44.2	11.6	47.8	43.6	44.9	41.0
SE	2.0	9.7	2.8	.2	.0		14.7	12.6	12.3	14.5	19.2	13.6
S	.4	2.5	.6	.0	.0		3.4	12.3	4.5	2.5	4.9	2.3
SW	.7	.9	.2	.0	.0		1.8	9.3	1.2	3.0	2.4	.7
W	.7	1.3	.4	.0	.0		2.4	10.6	2.5	1.7	3.1	2.6
NW	.5	3.1	.9	.1	.0		4.7	13.1	5.0	6.7	2.8	3.8
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	1.1						1.1	.0	.0	2.6	.6	.9
TOT OBS	141	587	108	4	0	840		11.3	201	230	180	229
TOT PCT	16.8	69.9	12.9	.5	.0		100.0		100.0	100.0	100.0	100.0

NOVEMBER

PERIOD: (PRIMARY) 1958-1977
(OVER-ALL) 1917-1977

AREA 0018 TUAMOTU ARCHIPELAGO
16.0S 144.7W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS) 1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00&03	.0	2.5	45.8	48.8	3.0	.0	.0	11.5	100.0	201
06&09	2.6	2.2	48.7	41.3	5.2	.0	.0	11.1	100.0	230
12&15	.6	2.8	47.8	46.7	2.2	.0	.0	11.3	100.0	180
18&21	.9	3.5	40.2	51.5	3.9	.0	.0	11.4	100.0	229
TOT	9	23	382	395	31	0	0	11.3		840
PCT	1.1	2.7	45.5	47.0	3.7	.0	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	.6	1.0	3.7	1.9		5.7
NE	4.1	6.5	6.8	2.2		4.4
E	10.2	16.6	14.7	3.1		4.1
SE	3.8	5.9	4.7	1.9		4.3
S	.4	1.5	1.3	.6		4.8
SW	.0	.9	.4	.2		4.4
W	.0	.3	1.0	.6		6.3
NW	.5	.3	1.8	1.2		5.8
VAR	.0	.0	.0	.0		.0
CALM	.5	.2	.3	.3		4.6
TOT OBS	134	220	231	81	666	4.5
TOT PCT	20.1	33.0	34.7	12.2	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT,NH >4/8) AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

WND DIR	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	TOTAL OBS
N	.2	.3	.3	1.1	1.1	.7	.3	.0	.0	.0	3.2	
NE	.0	.3	.0	1.8	2.3	.7	.2	.2	*	.0	14.0	
E	.0	.0	.5	1.5	4.7	1.9	1.6	.2	.1	.2	34.2	
SE	.0	.0	.2	1.0	2.6	.6	.3	.0	*	.0	11.6	
S	.0	.0	.0	.1	.5	.4	.0	.2	.1	.0	2.5	
SW	.0	.0	.0	*	.2	.2	.0	.0	.2	.0	.9	
W	.0	.0	.0	.5	.4	.2	.0	.2	.0	.0	.6	
NW	.0	.0	.2	1.1	.4	.5	.0	.0	.0	.0	2.7	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.0	.0	.3	.2	.0	.0	.0	.0	.0	.8	
TOT OBS	1	4	7	50	82	35	16	4	3	1	463	666
TOT PCT	.2	.6	1.1	7.5	12.3	5.3	2.4	.6	.5	.2	69.5	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) * OR >10	* OR >5	* OR >2	* OR >1	* OR >1/2	* OR >1/4	* OR >50YD	* OR >0
* OR >6500	.6	.6	.6	.6	.6	.6	.6	.6
* OR >5000	1.0	1.0	1.3	1.3	1.3	1.3	1.3	1.3
* OR >3500	2.5	2.5	3.5	3.6	3.6	3.6	3.6	3.6
* OR >2000	5.8	7.6	9.0	9.2	9.2	9.2	9.2	9.2
* OR >1000	12.5	18.4	21.7	22.0	22.0	22.0	22.0	22.0
* OR >600	16.5	24.3	28.4	29.3	29.6	29.6	29.6	29.6
* OR >300	17.1	25.2	29.4	30.3	30.6	30.6	30.6	30.6
* OR >150	17.1	25.4	29.7	30.8	31.0	31.0	31.2	31.2
* OR > 0	17.2	25.5	29.9	30.9	31.2	31.2	31.3	31.3
TOTAL	118	175	205	212	214	214	215	215

TOTAL NUMBER OF OBS: 686 PCT FREQ NH <5/8: 68.7

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8 OBSCD	TOTAL OBS
.9	10.1	18.6	22.8	15.2	8.9	8.0	6.1	9.3	.1	742

PERIOD: (PRIMARY) 1958-1977
(OVER-ALL) 1917-1977

AREA 0018 TUAMOTU ARCHIPELAGO
16.0S 144.7W

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	
	NO PCP	.1	*	.0	.0	.0	.0	.0	.0	.0	.0	.1	
	TOT %	.2	*	.0	.0	.0	.0	.0	.0	.0	.0	.3	
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.1	.0	.0	.0	.0	.0	.1	.0	.0	.3	
	TOT %	.0	.1	.0	.0	.0	.0	.0	.1	.0	.0	.3	
1<2	PCP	.1	.0	.1	.0	.0	.0	.0	.3	.0	.0	.5	
	NO PCP	.2	.3	.0	.0	.0	.1	.0	.0	.0	.0	.6	
	TOT %	.4	.3	.1	.0	.0	.1	.0	.3	.0	.0	1.2	
2<5	PCP	.0	.1	.2	.5	.1	.0	.0	.3	.0	.0	1.2	
	NO PCP	.7	1.0	1.2	.6	.4	.4	.4	.4	.0	.0	5.1	
	TOT %	.7	1.1	1.4	1.1	.5	.4	.4	.7	.0	.0	6.3	
5<10	PCP	.0	.3	.8	.2	.2	.1	.4	.2	.0	.1	2.2	
	NO PCP	2.9	3.1	7.9	3.1	.8	.6	.2	1.5	.0	.0	20.0	
	TOT %	2.9	3.4	8.6	3.2	1.1	.7	.5	1.7	.0	.1	22.2	
10+	PCP	.6	.4	.4	*	.0	.0	.0	.0	.0	.0	1.5	
	NO PCP	3.5	13.8	33.6	10.7	2.0	.6	1.4	1.7	.0	.9	68.3	
	TOT %	4.1	14.3	34.1	10.7	2.0	.6	1.4	1.7	.0	.9	69.8	
	TOT OBS												779
	TOT PCT	8.3	19.2	44.3	15.1	3.6	1.9	2.3	4.4	.0	1.0	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.1	.0	.0	.0	.0	.0	.0	.0	.0		.1	
	22+	.1	*	.0	.0	.0	.0	.0	.0	.0		.1	
	TOT %	.2	*	.0	.0	.0	.0	.0	.0	.0	.0	.3	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.3	.0	.0	.0	.0	.0	.0	.0		.3	
	11-21	.0	.0	.0	.0	.0	.0	.0	.1	.0		.1	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.3	.0	.0	.0	.0	.0	.1	.0	.0	.4	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.1	.1	.1	*	.0	.1	.0	.0	.0		.5	
	11-21	.1	.1	.1	.0	.0	.0	.0	.3	.0		.6	
	22+	.1	*	.0	.0	.0	.0	.0	.0	.0		.1	
	TOT %	.4	.3	.2	*	.0	.1	.0	.3	.0	.0	1.3	
2<5	0-3	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.1	
	4-10	.2	.7	.2	.7	.2	.3	.1	.3	.0		2.7	
	11-21	.4	.4	1.0	.3	.1	.0	.2	.4	.0		2.8	
	22+	.1	.0	.2	.1	.2	.0	.0	.0	.0		.6	
	TOT %	.7	1.1	1.4	1.1	.3	.4	.4	.7	.0	.0	6.3	
5<10	0-3	.6	.0	.0	.0	.0	.0	.0	*	.0	.1	.8	
	4-10	1.3	2.1	3.1	1.3	.4	.3	.4	.6	.0		9.3	
	11-21	.8	1.1	5.5	1.6	.7	.4	.1	.9	.0		11.1	
	22+	.1	.2	.0	.4	.0	.0	.1	.1	.0		.9	
	TOT %	2.8	3.4	8.6	3.2	1.1	.7	.5	1.7	.0	.1	22.1	
10+	0-3	.2	.4	.8	.3	.0	.1	.1	.1	.0	.9	2.8	
	4-10	2.0	7.9	15.4	4.3	1.1	.4	.8	.4	.0		32.2	
	11-21	1.9	5.9	17.1	5.7	.8	.2	.6	1.0	.0		33.1	
	22+	.1	.0	.6	.5	.1	.0	.0	.1	.0		1.5	
	TOT %	4.1	14.2	34.0	10.8	2.0	.6	1.4	1.7	.0	.9	69.7	
	TOT OBS												782
	TOT PCT	8.2	19.2	44.2	15.2	3.5	1.9	2.3	4.4	.0	1.0	100.0	

NOVEMBER

PERIOD: (PRIMARY) 1958-1977
(OVER-ALL) 1917-1977

AREA 0018 TUAMOTU ARCHIPELAGO
16.0S 144.7W

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET,NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00&03	.5	.5	.0	8.0	12.6	6.0	2.5	.5	.5	.0	31.2	68.8	199
06&09	.0	.6	.0	8.6	6.7	3.7	3.7	.0	.6	.0	23.9	76.1	163
12&15	.0	.6	2.4	7.2	15.1	6.6	1.8	.6	.0	.6	34.9	65.1	166
18&21	.0	.5	1.6	5.2	14.7	4.7	1.6	1.6	.5	.0	30.4	69.6	191
TOT	1	4	7	52	89	38	17	5	3	1	217	502	719
PCT	.1	.6	1.0	7.2	12.4	5.3	2.4	.7	.4	.1	30.2	69.8	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00&03	.5	.5	.5	6.5	14.0	78.0	200
06&09	.0	.0	3.8	8.9	28.2	59.2	213
12&15	.5	.5	.5	9.8	28.4	60.1	183
18&21	.0	.5	.5	3.3	17.8	78.0	214
TOT	2	3	11	57	178	559	810
PCT	.2	.4	1.4	7.0	22.0	69.0	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET,NH >4/8),BY HOUR

HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL OBS
00&03	.5	1.6	14.2	18.9	66.8	190
06&09	.0	.6	16.7	11.5	71.8	156
12&15	.0	3.2	19.7	19.7	60.5	157
18&21	.0	2.7	9.8	22.4	67.8	183
TOT	1	14	102	126	458	686
PCT	.1	2.0	14.9	18.4	66.8	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
90/94	.0	.0	.0	.3	.3	.0	.0	.0	4	.5
85/89	.0	.0	.0	.1	1.6	3.0	.3	.0	38	5.0
80/84	.0	.0	.0	.1	6.4	31.9	16.5	3.3	445	58.2
75/79	.0	.0	.0	.0	1.4	9.2	19.3	4.4	264	34.5
70/74	.0	.0	.0	.0	.0	.0	.1	1.7	14	1.8
TOTAL	0	0	0	4	74	337	278	72	765	100.0
PCT	.0	.0	.0	.5	9.7	44.1	36.3	9.4		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
.0	.3	.1	.1	.0	.0	.0	.0	.0	.0
.4	.9	3.0	.4	.1	.0	.0	.1	.0	.0
4.6	11.5	28.1	9.1	1.2	.8	.6	1.6	.0	.7
2.6	7.1	13.5	5.5	2.1	.8	1.1	1.5	.0	.3
.2	.2	.0	.6	.1	.0	.4	.4	.0	.0
7.8	19.9	44.8	15.7	3.5	1.7	2.1	3.6	.0	.9

TABLE 15

MEANS,EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00&03	91	90	87	82	75	71	71	81.9	203
06&09	84	83	82	80	76	74	72	79.6	240
12&15	84	83	82	79	76	73	72	78.8	190
18&21	89	87	85	81	76	75	74	80.7	235
TOT	91	87	84	80	76	73	71	80.3	868

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00&03	.0	2.0	21.1	47.7	21.1	8.0	76	199
06&09	.0	.0	3.0	37.4	45.5	14.1	81	198
12&15	.0	.0	2.6	33.9	51.9	11.6	81	189
18&21	.0	.0	10.4	52.5	28.7	8.4	78	202
TOT	0	4	74	339	288	83	79	788

NOVEMBER

PERIOD: (PRIMARY) 1958-1977
(OVER-ALL) 1917-1977

AREA 0018 TUAMOTU ARCHIPELAGO
16.0S 144.7W

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	69 72	73 76	77 80	81 84	85 88	89 92	TOT	W FOG	WO FOG
11/13	.0	.0	.0	.0	.0	.1	1	.0	.1
9/10	.0	.0	.0	.0	.1	.1	2	.0	.3
7/8	.0	.0	.0	.1	.4	.1	5	.0	.6
6	.0	.0	.1	.0	.6	.3	8	.0	1.0
5	.0	.0	.3	1.0	1.0	.1	19	.0	2.4
4	.0	.0	.0	1.6	.8	.0	19	.0	2.4
3	.0	.0	.3	2.0	1.1	.0	27	.0	3.4
2	.0	.0	1.0	4.9	.3	.0	49	.0	6.2
1	.0	.3	2.7	7.6	.3	.0	85	.0	10.8
0	.0	.0	7.4	10.0	.0	.0	137	.1	17.3
-1	.0	.0	12.2	6.3	.0	.0	146	.1	18.4
-2	.0	.5	9.5	4.2	.0	.0	112	.1	14.1
-3	.0	1.5	6.1	1.9	.0	.0	75	.0	9.5
-4	.0	.9	2.9	1.1	.0	.0	39	.0	4.9
-5	.0	1.4	1.8	.6	.0	.0	30	.0	3.8
-6	.0	.1	1.4	.4	.0	.0	14	.0	1.8
-7/-8	.4	.9	.3	.1	.0	.0	13	.0	1.6
-9/-10	.1	.1	.3	.0	.0	.0	4	.0	.5
-11/-13	.3	.0	.1	.0	.0	.0	3	.0	.4
TOTAL	6	45	363	332	36	6	768	3	785
PCT	.8	5.7	46.1	42.1	4.6	.8	100.0	.4	99.6

PERIOD: (OVER-ALL) 1963-1977

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.5	.8	.0	.0	.0	.0	1.4
1-2	.1	1.9	1.1	.0	.0	.0	3.2
3-4	.0	.4	.8	.3	.0	.0	1.5
5-6	.0	.0	.6	.2	.0	.0	.8
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.7	3.2	2.6	.4	.0	.0	6.9

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.4	1.9	.6	.0	.0	.0	2.4
1-2	.0	5.6	2.6	.0	.0	.0	8.2
3-4	.0	2.4	3.6	.1	.0	.0	6.1
5-6	.0	.4	1.2	.2	.0	.0	1.8
7	.0	.0	.2	.0	.0	.0	.2
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.4	9.9	8.2	.3	.0	.0	18.8

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.5	.7	.1	.0	.0	.0	1.3
1-2	.2	11.7	6.5	.0	.0	.0	18.4
3-4	.2	4.8	13.2	.9	.0	.0	19.0
5-6	.0	1.4	5.9	.0	.0	.0	7.3
7	.0	.0	1.5	.0	.0	.0	1.5
8-9	.0	.0	.0	.2	.0	.0	.2
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.9	18.6	27.2	1.1	.0	.0	47.7

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.2	1.2	.2	.0	.0	.0	1.6
1-2	.2	3.0	2.5	.0	.0	.0	5.7
3-4	.0	1.1	1.7	.0	.0	.0	2.8
5-6	.0	*	1.8	1.1	.0	.0	3.0
7	.0	.0	.8	.0	.0	.0	.8
8-9	.0	.0	.0	.2	.0	.0	.2
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.4	5.4	7.0	1.3	.0	.0	14.1

PERIOD: (OVER-ALL) 1963-1977

NOVEMBER

TABLE 18 (CONT)

AREA 0018 TUAMOTU ARCHIPELAGO
16.0S 144.7W

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

S

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	1.4	.1	.0	.0	.0	1.5
3-4	.0	.2	.4	.2	.0	.0	.8
5-6	.0	.1	.3	.3	.0	.0	.7
7	.0	.0	.2	.0	.0	.0	.2
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	1.7	1.0	.4	.0	.0	3.2

SW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.2	.0	.0	.0	.0	.0	.2
1-2	.2	.5	.4	.0	.0	.0	1.1
3-4	.0	.2	.2	.0	.0	.0	.4
5-6	.0	.0	.2	.0	.0	.0	.2
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.4	.7	.8	.0	.0	.0	1.8

W

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.2	.0	.0	.0	.0	.2
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.5	.4	.0	.0	.0	.9
5-6	.1	.4	.4	.0	.0	.0	.9
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.1	1.1	.8	.0	.0	.0	2.0

NW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.2	.0	.0	.0	.0	.2
1-2	*	.6	.6	.0	.0	.0	1.3
3-4	.0	.2	1.3	.0	.0	.0	1.5
5-6	*	.1	.8	.2	.0	.0	1.1
7	.0	.0	.2	.0	.0	.0	.2
8-9	.0	.0	.2	.0	.0	.0	.2
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.1	1.1	3.0	.2	.0	.0	4.4

HGT	TOTAL PCT
<1	.2
1-2	1.3
3-4	1.5
5-6	1.1
7	.2
8-9	.2
10-11	.0
12	.0
13-16	.0
17-19	.0
20-22	.0
23-25	.0
26-32	.0
33-40	.0
41-48	.0
49-60	.0
61-70	.0
71-86	.0
87+	.0
TOT PCT	98.9

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	2.8	4.6	.9	.0	.0	.0	8.2	
1-2	.7	25.0	13.8	.0	.0	.0	39.5	
3-4	.2	9.9	21.7	1.4	.0	.0	33.2	
5-6	.2	2.5	11.1	1.9	.0	.0	15.7	
7	.0	.0	2.8	.0	.0	.0	2.8	
8-9	.0	.0	.2	.4	.0	.0	.5	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
								567
TOT PCT	3.9	42.0	50.4	3.7	.0	.0	100.0	

PERIOD: (OVER-ALL) 1958-1977

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	1.0	12.4	17.4	9.2	1.3	.6	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	292	3
6-7	.1	4.0	7.6	10.4	3.6	1.2	.9	.1	.3	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	199	5
8-9	.0	1.6	4.9	4.2	3.6	1.2	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	109	5
10-11	.0	2.7	1.2	1.0	1.7	.3	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	49	5
12-13	.0	.0	2.2	.4	.4	.1	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	24	5
>13	.0	.0	.0	.0	.3	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3	8
INDET	.4	1.0	.6	.1	.4	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	19	3
TOTAL	11	151	235	170	79	24	11	2	2	3	0	0	0	0	1	0	0	0	0	695	4
PCT	1.6	21.7	33.8	25.3	11.4	3.5	1.6	.3	.3	.4	.0	.0	.0	.0	.1	.0	.0	.0	.0	100.0	

DECEMBER

PERIOD: (PRIMARY) 1962-1977
(OVER-ALL) 1906-1977

AREA 0018 TUAMOTU ARCHIPELAGO
15.9S 144.5W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

	PRECIPITATION TYPE									OTHER WEATHER PHENOMENA					
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
N	5.3	8.0	1.2	.0	.0	.0	.0	15.1	1.8	5.0	.0	.0	.0	1.2		78.1
NE	4.4	3.0	.0	.0	.0	.0	.0	7.4	4.0	1.7	.3	.0	.6	.0		86.2
E	1.1	2.4	.0	.0	.0	.0	.0	3.4	1.5	2.8	.3	.0	.0	.0		92.5
SE	4.5	2.3	.0	.0	.0	.0	.0	6.8	5.7	1.7	.6	.0	.0	.0		85.3
S	.0	5.6	.0	.0	.0	.0	.0	5.6	.0	.0	.0	.0	.0	.0		94.4
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	14.3	.0	.0	.0	.0		85.7
W	.0	15.4	.0	.0	.0	.0	.0	15.4	.0	5.8	.0	.0	.0	.0		78.8
NW	5.5	4.3	.0	.0	.0	.0	.0	9.8	3.7	3.0	.0	.0	.0	.0		83.5
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	11.1	.0	.0	.0	.0	.0		88.9
TOT PCT	2.9	3.5	.1	.0	.0	.0	.0	6.5	2.7	2.7	.3	.0	.1	.1		87.8
TOT OBS:	765															

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

	PRECIPITATION TYPE									OTHER WEATHER PHENOMENA					
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
00603	1.4	4.8	.5	.0	.0	.0	.0	6.8	1.4	.5	.0	.0	.0	.0		91.3
06609	2.9	4.8	.0	.0	.0	.0	.0	7.6	2.4	6.2	1.0	.0	.0	.0		84.3
12615	4.0	3.4	.0	.0	.0	.0	.0	7.4	4.6	4.0	.0	.0	.6	.6		82.9
18621	3.1	2.1	.0	.0	.0	.0	.0	5.2	2.6	.0	.0	.0	.0	.0		92.1
TOT PCT	2.8	3.8	.1	.0	.0	.0	.0	6.8	2.7	2.7	.3	.0	.1	.1		87.7
TOT OBS:	783															

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	WIND SPEED (KNOTS)									HOUR (GMT)							
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	1.0	5.1	4.3	.6	.0	.0		11.0	11.2	11.9	19.6	11.3	20.8	8.0	13.2	10.7	6.8
NE	1.1	13.0	7.9	.3	.0	.0		22.4	10.1	24.2	21.4	20.9	13.9	20.3	22.4	25.3	13.5
E	1.6	19.2	20.7	1.0	.2	.0		42.8	11.6	41.2	44.6	41.5	43.1	43.4	50.0	44.1	47.7
SE	.6	4.3	6.4	.7	.0	.0		11.9	12.6	9.1	14.3	12.0	16.7	15.7	11.8	9.8	31.8
S	.4	1.2	.4	.3	.0	.0		2.3	10.4	2.3	.0	2.9	.0	2.5	.0	2.3	.0
SW	.4	.7	.1	.0	.0	.0		1.2	5.7	1.1	.0	1.7	3.6	.9	.0	.8	.0
W	.0	.4	1.2	.0	.0	.0		1.6	12.3	1.4	.0	1.8	.0	1.4	.0	2.3	.0
NW	.1	2.9	2.6	.0	.0	.0		5.6	11.2	7.8	.0	5.9	.0	5.8	2.6	4.3	.0
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	1.2							1.2	.0	1.0	.0	1.9	.0	1.9	.0	.5	.0
TOT OBS	52	379	353	24	2	0	810		11.1	196	14	206	18	159	19	187	11
TOT PCT	6.4	46.8	43.6	3.0	.2	.0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

	WIND SPEED (KNOTS)								HOUR (GMT)			
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	06 09	12 15	18 21
N	2.3	6.6	2.1	.0	.0		11.0	11.2	12.4	12.1	8.6	10.5
NE	4.4	16.4	1.5	.1	.0		22.4	10.1	24.0	20.3	20.5	24.6
E	6.7	30.3	5.2	.5	.0		42.8	11.6	41.4	41.6	44.1	44.3
SE	1.3	7.6	3.0	.0	.0		11.9	12.6	9.4	12.4	15.3	11.0
S	.8	1.1	.4	.0	.0		2.3	10.4	2.1	2.7	2.2	2.1
SW	.8	.4	.0	.0	.0		1.2	5.7	1.1	2.0	.8	.8
W	.3	1.2	.1	.0	.0		1.6	12.3	1.3	1.7	1.3	2.1
NW	1.2	3.1	1.3	.0	.0		5.6	11.2	7.3	5.5	5.5	4.0
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	1.2						1.2	.0	1.0	1.8	1.7	.5
TOT OBS	155	540	110	5	0	810		11.1	210	224	178	198
TOT PCT	19.1	66.7	13.6	.6	.0		100.0		100.0	100.0	100.0	100.0

DECEMBER

PERIOD: (PRIMARY) 1962-1977
(OVER-ALL) 1906-1977

AREA 0018 TUAMOTU ARCHIPELAGO
15.9S 144.5W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS) 1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00&03	1.0	4.8	42.4	50.5	1.0	.5	.0	11.2	100.0	210
06&09	1.8	7.1	53.1	33.5	4.5	.0	.0	10.4	100.0	224
12&15	1.7	3.9	46.1	43.8	3.9	.6	.0	11.3	100.0	178
18&21	.5	4.5	44.9	47.5	2.5	.0	.0	11.4	100.0	198
TOT	10	42	379	393	24	2	0	11.1		810
PCT	1.2	5.2	46.8	43.6	3.0	.2	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	.7	2.2	4.8	3.3		5.8
NE	4.8	6.2	8.1	2.7		4.5
E	10.4	16.2	13.6	2.8		4.0
SE	2.7	3.1	4.4	2.0		4.7
S	.3	1.4	.7	.3		4.1
SW	.0	.2	.6	.3		6.1
W	.0	.1	1.1	.6		6.9
NW	.3	1.4	2.3	1.2		5.4
VAR	.0	.0	.0	.0		.0
CALM	.5	.3	.3	.2		3.7
TOT OBS	131	207	238	88	664	4.6
TOT PCT	19.7	31.2	35.8	13.3	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT,NH >4/8) AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

WND DIR	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	TOTAL OBS
N	.0	.1	.2	.8	2.0	.1	.7	.7	.0	.0	6.4	
NE	.0	.2	.2	1.2	1.6	1.5	.3	.1	.0	*	16.7	
E	.2	.0	.9	.6	3.8	2.1	.5	.1	.0	.1	34.5	
SE	.0	.5	.5	.6	1.4	.7	1.3	.3	.0	.0	7.0	
S	.0	.0	.2	.2	.2	.1	.0	.0	.0	.0	2.0	
SW	.0	.0	.0	.0	.2	.5	*	.0	.0	.0	.5	
W	.0	.0	.0	.2	.2	.4	.1	.3	.2	.0	.5	
NW	.0	*	.0	.4	1.1	.2	.0	.0	.0	.0	3.7	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.0	.0	.2	.2	.0	.0	.0	.0	.0	.9	
TOT OBS	1	5	13	27	70	37	20	10	1	1	479	664
TOT PCT	.2	.8	2.0	4.1	10.5	5.6	3.0	1.5	.2	.2	72.1	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) = OR >10	= OR >5	= OR >2	= OR >1	= OR >1/2	= OR >1/4	= OR >50YD	= OR >0
= OR >6500	.3	.3	.3	.3	.3	.3	.3	.3
= OR >5000	1.2	1.5	1.7	1.8	1.8	1.8	1.8	1.8
= OR >3500	2.3	3.3	4.4	4.5	4.5	4.5	4.5	4.5
= OR >2000	5.4	7.8	9.9	10.4	10.4	10.4	10.4	10.4
= OR >1000	11.7	17.1	20.2	20.8	20.8	20.8	20.8	20.8
= OR >600	14.1	20.9	24.1	24.7	25.0	25.0	25.0	25.0
= OR >300	15.8	22.6	26.0	26.6	26.9	26.9	26.9	26.9
= OR >150	15.9	23.0	26.8	27.4	27.7	27.7	27.7	27.7
= OR > 0	15.9	23.0	26.9	27.5	27.8	27.8	27.8	27.8
TOTAL	106	153	179	183	185	185	185	185

TOTAL NUMBER OF OBS: 665 PCT FREQ NH <5/8: 72.2

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	OBSCD	TOTAL OBS
1.8	9.9	21.4	23.8	14.7	7.4	6.6	5.6	6.8	.1	730

DECEMBER

PERIOD: (PRIMARY) 1962-1977
(OVER-ALL) 1906-1977

AREA 0018 TUAMOTU ARCHIPELAGO
15.9S 144.5W

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	PCP	.0	.1	.1	.0	.1	.0	.0	.0	.0	.0	.4	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.1	
	TOT %	.0	.1	.1	.0	.1	.0	.0	.1	.0	.0	.5	
1<2	PCP	.0	*	.1	.0	.0	.0	.0	.0	.0	.0	.1	
	NO PCP	.1	.2	.2	.1	.0	.0	.0	.1	.0	.0	.8	
	TOT %	.1	.2	.3	.1	.0	.0	.0	.1	.0	.0	.9	
2<5	PCP	.4	.3	.1	.1	.0	.0	.0	.1	.0	.0	1.0	
	NO PCP	.5	1.2	1.5	1.1	.2	.0	.1	.6	.0	.0	5.2	
	TOT %	.9	1.5	1.7	1.2	.2	.0	.1	.6	.0	.0	6.3	
5<10	PCP	1.0	.7	.5	.3	.0	.0	.1	.1	.0	.0	2.6	
	NO PCP	2.2	2.8	3.2	1.7	.2	.3	.3	.5	.0	.0	11.3	
	TOT %	3.2	3.5	3.7	2.0	.2	.3	.5	.6	.0	.0	13.9	
10+	PCP	.3	.4	.6	.4	.0	.0	.1	.4	.0	.0	2.2	
	NO PCP	6.6	17.2	36.3	7.8	1.7	.8	1.0	3.5	.0	1.2	76.2	
	TOT %	6.9	17.6	36.9	8.2	1.7	.8	1.1	3.9	.0	1.2	78.4	
	TOT OBS												764
	TOT PCT	11.1	22.9	42.7	11.6	2.3	1.1	1.7	5.4	.0	1.2	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.1	.0	.0	.1	.0		.3	
	11-21	.0	.1	.0	.0	.0	.0	.0	.0	.0		.1	
	22+	.0	.0	.1	.0	.0	.0	.0	.0	.0		.1	
	TOT %	.0	.1	.1	.0	.1	.0	.0	.1	.0	.0	.5	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.1	*	.0	.0	.0	.0	.0	.0	.0		.1	
	11-21	.0	*	.1	.1	.0	.0	.0	.1	.0		.4	
	22+	.0	.2	.2	.0	.0	.0	.0	.0	.0		.4	
	TOT %	.1	.2	.3	.1	.0	.0	.0	.1	.0	.0	.9	
2<5	0-3	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.3	
	4-10	.0	.9	1.2	.4	.1	.0	.0	.0	.0		2.6	
	11-21	.9	.2	.4	.7	.0	.0	.1	.6	.0		2.9	
	22+	.0	.1	.1	.2	.1	.0	.0	.0	.0		.5	
	TOT %	.9	1.5	1.7	1.2	.2	.0	.1	.6	.0	.0	6.3	
5<10	0-3	.2	.2	.1	.0	.0	.0	.0	*	.0	.0	.5	
	4-10	1.4	1.9	1.0	.3	.0	.3	.1	.3	.0		5.4	
	11-21	1.3	1.4	2.3	1.4	.1	*	.4	.2	.0		7.1	
	22+	.2	*	.2	.3	.1	.0	.0	.0	.0		.9	
	TOT %	3.2	3.5	3.7	2.0	.2	.3	.5	.6	.0	.0	13.9	
10+	0-3	.7	.6	1.2	.5	.4	.3	.0	*	.0	1.2	4.8	
	4-10	3.7	10.5	16.9	3.4	1.0	.5	.3	2.1	.0		38.3	
	11-21	2.2	6.4	18.5	4.0	.4	.1	.8	1.8	.0		34.2	
	22+	.4	*	.4	.3	.0	.0	.0	.0	.0		1.0	
	TOT %	6.9	17.6	37.0	8.2	1.7	.8	1.1	3.9	.0	1.2	78.4	
	TOT OBS												765
	TOT PCT	11.0	22.9	42.8	11.5	2.3	1.1	1.7	5.4	.0	1.2	100.0	

DECEMBER

PERIOD: (PRIMARY) 1962-1977
(OVER-ALL) 1906-1977

AREA 0018 TUAMOTU ARCHIPELAGO
15.9S 144.5W

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00&03	.0	.5	.0	3.4	10.8	6.4	1.5	2.0	.0	.5	25.0	75.0	204
06&09	.0	.6	.6	5.7	10.3	3.4	3.4	.6	.6	.0	25.3	74.7	174
12&15	.0	1.2	3.7	4.9	7.4	8.0	2.5	1.2	.0	.0	29.4	70.6	163
18&21	.0	.6	3.5	1.8	11.1	4.7	4.1	1.8	.0	.0	27.5	72.5	171
TOT	1	5	13	28	71	40	20	10	1	1	190	522	712
PCT	.1	.7	1.8	3.9	10.0	5.6	2.8	1.4	.1	.1	26.7	73.3	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00&03	.0	.0	.5	1.5	10.2	87.8	205
06&09	.0	1.4	1.9	5.2	18.6	72.9	210
12&15	.0	.0	1.7	13.1	15.3	69.9	176
18&21	.0	1.0	.0	6.3	13.1	79.6	191
TOT	0	5	8	49	112	608	782
PCT	.0	.6	1.0	6.3	14.3	77.7	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET, NH >4/8), BY HOUR

HOUR (GMT)	<150 <500YD	<600 <1	<1000 <3	1000+ AND3+	NH <5/8 AND 5+	TOTAL OBS
00&03	.0	.5	6.2	19.1	74.7	194
06&09	.0	1.8	13.4	14.6	72.0	164
12&15	.7	6.2	22.6	13.8	61.6	146
18&21	.0	5.0	11.8	18.6	69.6	161
TOT	1	21	86	114	465	665
PCT	.2	3.2	12.9	17.1	69.9	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
90/94	.0	.0	.0	.3	.5	.0	.0	.0	6	.8
85/89	.0	.0	.0	.3	3.3	5.3	.9	.1	73	9.9
80/84	.0	.0	.0	.0	6.1	34.3	18.7	4.5	469	63.6
75/79	.0	.0	.0	.0	.0	7.1	11.5	5.7	179	24.3
70/74	.0	.0	.0	.0	.0	.0	.1	1.2	10	1.4
TOTAL	0	0	0	4	73	344	231	85	737	100.0
PCT	.0	.0	.0	.5	9.9	46.7	31.3	11.5		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
.1	.1	.4	.0	.1	.0	.0	*	.0	.0
.4	2.8	5.0	1.2	.1	.1	.1	.1	.0	.1
7.2	13.8	30.3	5.8	1.4	.9	.7	2.5	.0	.9
3.1	5.1	6.8	4.7	.7	.2	.9	2.6	.0	.1
.3	.8	.0	.1	.0	.0	.0	.1	.0	.0
11.1	22.7	42.4	11.8	2.4	1.3	1.8	5.4	.0	1.2

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00&03	95	91	89	83	78	75	74	83.1	213
06&09	87	86	83	80	77	75	73	80.3	230
12&15	85	83	82	80	76	73	73	79.4	180
18&21	91	90	85	81	76	74	73	81.2	202
TOT	95	89	86	81	77	74	73	81.1	825

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00&03	.0	2.0	25.2	44.6	22.3	5.9	75	202
06&09	.0	.0	3.6	48.0	35.2	13.3	81	196
12&15	.0	.0	.0	44.3	38.6	17.0	82	176
18&21	.0	.0	8.9	48.0	31.8	11.2	79	179
TOT	0	4	74	348	239	88	79	753

DECEMBER

PERIOD: (PRIMARY) 1962-1977
(OVER-ALL) 1906-1977

AREA 0018 TUAMOTU ARCHIPELAGO
15.9S 144.5W

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	73 76	77 80	81 84	85 88	89 92	>92	TOT	W FOG	WO FOG
11/13	.0	.0	.0	.1	.0	.0	1	.0	.1
9/10	.0	.0	.1	.1	.3	.1	5	.0	.7
7/8	.0	.0	.1	.0	.4	.0	4	.0	.5
6	.0	.0	.2	.3	.5	.0	8	.0	1.1
5	.0	.3	.9	1.1	.1	.0	18	.0	2.4
4	.0	.4	1.4	1.4	.1	.0	24	.0	3.2
3	.0	.3	2.7	2.0	.0	.0	37	.0	5.0
2	.0	.5	4.1	1.8	.0	.0	47	.0	6.4
1	.0	3.1	7.7	1.1	.0	.0	88	.0	11.9
0	.3	3.9	11.5	.3	.0	.0	118	.1	15.8
-1	.0	5.9	9.1	.3	.0	.0	113	.1	15.1
-2	.5	6.8	7.6	.3	.0	.0	112	.0	15.1
-3	.4	7.4	3.1	.1	.0	.0	82	.0	11.1
-4	.3	3.5	1.1	.0	.0	.0	36	.0	4.9
-5	.3	1.5	.5	.0	.0	.0	17	.0	2.3
-6	.9	.8	.0	.0	.0	.0	13	.0	1.8
-7/-8	.9	.4	.0	.0	.0	.0	10	.0	1.4
-9/-10	.8	.1	.0	.0	.0	.0	7	.0	.9
TOTAL	33	259	371	65	11	1	740	2	738
PCT	4.5	35.0	50.1	8.8	1.5	.1	100.0	.3	99.7

PERIOD: (OVER-ALL) 1963-1977

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.2	.7	.0	.0	.0	.0	.9
1-2	.3	2.8	1.3	.0	.0	.0	4.4
3-4	.0	.3	2.0	.3	.0	.0	2.6
5-6	.0	.0	1.0	.0	.0	.0	1.0
7	.0	.0	.6	.0	.0	.0	.6
8-9	.0	.0	.0	.1	.0	.0	.1
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.5	3.7	4.8	.5	.0	.0	9.5

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.3	1.8	.0	.0	.0	.0	2.2
1-2	.0	6.7	2.3	.0	.0	.0	9.0
3-4	.0	4.1	5.0	.2	.0	.0	9.3
5-6	.0	*	1.6	.2	.0	.0	1.8
7	.0	.2	.3	.0	.0	.0	.5
8-9	.0	.0	.2	*	.0	.0	.2
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.3	12.8	9.4	.4	.0	.0	23.0

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.3	.9	.2	.0	.0	.0	1.4
1-2	.3	11.8	4.6	.0	.0	.0	16.6
3-4	.0	5.9	10.4	.7	.0	.0	16.9
5-6	.2	.8	7.7	.7	.2	.0	9.5
7	.0	.0	1.1	.0	.0	.0	1.1
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.8	19.3	23.9	1.3	.2	.0	45.4

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.6	.2	.0	.0	.0	.7
1-2	.1	2.9	2.2	.0	.0	.0	5.1
3-4	.2	.6	2.4	.5	.0	.0	3.7
5-6	.0	*	2.4	.3	.0	.0	2.7
7	.0	.0	.2	.2	.0	.0	.3
8-9	.0	.0	.2	.0	.0	.0	.2
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	*	.0	.0	.0	.0	*
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.3	4.1	7.6	1.0	.0	.0	12.9

PERIOD: (OVER-ALL) 1963-1977 DECEMBER AREA 0018 TUAMOTU ARCHIPELAGO

TABLE 18 (CONT) 15.9S 144.5W

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

	S							SW						
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0	.0	.2	*	.0	.0	.0	.3
1-2	.0	.0	.3	.0	.0	.0	.3	.2	.6	.0	.0	.0	.0	.8
3-4	.0	.2	.0	.0	.0	.0	.2	.0	.2	*	.0	.0	.0	.2
5-6	.0	.0	.0	.1	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.1	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.3	.3	.1	.0	.0	.7	.2	1.0	.1	.0	.0	.0	1.3

	W							NW							TOTAL
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	PCT
<1	.0	.1	.1	.0	.0	.0	.3	.0	*	.0	.0	.0	.0	*	
1-2	.0	.3	.0	.0	.0	.0	.3	*	.7	.5	.0	.0	.0	1.2	
3-4	.0	.5	.4	.0	.0	.0	.4	.0	.8	2.1	.0	.0	.0	2.9	
5-6	.0	.0	.9	.0	.0	.0	.9	.0	.0	.3	.0	.0	.0	.3	
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0	.0	.2	
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.0	.4	1.4	.0	.0	.0	1.8	*	1.5	3.1	.0	.0	.0	4.6	99.3

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	1.7	4.3	.5	.0	.0	.0	6.6	
1-2	.9	25.6	11.1	.0	.0	.0	37.6	
3-4	.2	12.0	22.3	1.7	.0	.0	36.2	
5-6	.2	.9	13.7	1.2	.2	.0	16.2	
7	.0	.2	2.4	.2	.0	.0	2.8	
8-9	.0	.0	.3	.2	.0	.0	.5	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.2	.0	.0	.0	.0	.2	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
								575
TOT PCT	3.0	43.1	50.4	3.3	.2	.0	100.0	

PERIOD: (OVER-ALL) 1949-1977 TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	2.0	10.8	17.9	9.1	2.1	.5	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	280	3
6-7	.2	4.2	11.7	10.5	4.6	1.8	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	219	4
8-9	.0	1.4	4.2	4.7	1.7	.3	.5	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	86	5
10-11	.0	.5	.9	1.2	.6	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	5
12-13	.0	.0	.5	.9	.8	.2	.2	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	17	6
>13	.0	.0	.0	.5	.6	.0	.0	.0	.0	.0	.0	.2	.2	.0	.0	.0	.0	.0	.0	9	11
INDET	.5	1.1	.3	1.4	.5	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	25	4
TOTAL	17	118	234	186	71	21	6	2	1	1	0	1	1	0	0	0	0	0	0	659	4
PCT	2.6	17.9	35.5	28.2	10.8	3.2	.9	.3	.2	.2	.0	.2	.2	.0	.0	.0	.0	.0	.0	100.0	

ANNUAL

PERIOD: (PRIMARY) 1958-1978
(OVER-ALL) 1871-1978

AREA 0018 TUAMOTU ARCHIPELAGO
16.2S 144.2W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

	PRECIPITATION TYPE									OTHER WEATHER PHENOMENA					
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
N	4.8	4.8	.2	.0	.0	.0	.1	9.9	4.1	1.6	.9	.0	.0	.1		83.9
NE	1.9	1.8	.2	.0	.0	.0	.0	3.9	3.8	1.9	.5	.0	.1	.0		89.9
E	1.2	2.0	.2	.0	.0	.0	.0	3.4	2.4	1.7	.3	.0	.1	*		92.2
SE	1.8	2.0	.4	.0	.0	.0	*	4.6	3.1	1.4	.4	.0	.0	.2		90.6
S	1.9	4.3	.0	.0	.0	.0	.1	6.3	3.4	1.7	.2	.0	.0	.0		88.8
SW	3.7	3.6	.8	.0	.0	.0	.0	8.1	4.9	1.9	.8	.0	.0	.0		84.2
W	6.4	9.1	1.4	.0	.0	.0	.0	13.4	5.8	3.0	.8	.0	1.6	.0		76.3
NW	6.0	9.3	.1	.0	.0	.0	.0	11.6	6.3	1.9	.5	.0	.1	.0		79.7
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0
CALM	1.7	.0	1.0	.0	.0	.0	.0	2.7	1.9	.8	.0	.0	1.4	.0		93.2
TOT PCT	2.0	2.6	.3	.0	.0	.0	*	4.9	3.2	1.6	.4	.0	.1	.1		89.9
TOT OBS:	9769															

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

	PRECIPITATION TYPE									OTHER WEATHER PHENOMENA					
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
00&03	1.7	2.5	.1	.0	.0	.0	*	4.3	3.3	.2	.1	.0	.0	.1		92.1
06&09	2.6	2.5	.4	.0	.0	.0	*	5.5	2.7	2.8	1.0	.0	.2	*		88.1
12&15	2.2	3.0	.5	.0	.0	.0	.0	5.6	3.6	3.8	*	.0	.2	.1		87.4
18&21	1.4	2.7	.2	.0	.0	.0	.0	4.2	3.2	.2	.5	.0	.0	*		92.0
TOT PCT	2.0	2.6	.3	.0	.0	.0	*	4.9	3.2	1.6	.4	.0	.1	.1		89.9
TOT OBS:	10029															

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	WIND SPEED (KNOTS)									HOUR (GMT)							
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	.5	3.2	2.9	.3	*	.0		7.0	10.9	8.0	10.7	6.7	6.4	5.5	8.9	7.1	6.4
NE	.5	8.6	6.2	.4	*	.0		15.6	10.5	16.9	13.0	13.9	17.4	14.4	18.5	16.7	18.7
E	1.0	19.0	24.4	2.1	*	.0		46.5	12.2	47.0	44.8	45.9	45.6	47.1	39.3	47.1	46.2
SE	.4	6.2	10.5	1.8	*	.0		19.0	13.2	17.1	16.9	20.7	18.1	20.3	17.8	18.4	19.1
S	.2	1.8	1.6	.2	.0	.0		3.8	10.7	3.6	5.2	3.9	5.2	4.0	7.8	3.5	3.0
SW	.2	.8	.4	*	.0	.0		1.4	8.3	1.5	2.3	1.5	2.2	1.4	2.2	1.1	1.4
W	.2	.8	.6	.1	*	.0		1.7	10.2	1.1	2.4	1.7	2.1	1.8	1.8	2.0	.5
NW	.1	1.6	1.7	.2	*	.0		3.6	11.8	4.0	5.1	3.6	2.9	3.3	3.4	3.3	4.3
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	1.4							1.4	.0	.8	.0	2.0	.0	2.2	.3	1.0	.6
TOT OBS							10282		11.8	2318	206	2531	238	2191	222	2304	272
TOT PCT	4.7	41.9	48.3	5.0	.1	.0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

	WIND SPEED (KNOTS)								HOUR (GMT)			
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	06 09	12 15	18 21
N	1.6	4.2	1.0	.1	.0		7.0	10.9	8.2	6.7	5.9	7.0
NE	3.2	10.9	1.4	.1	.0		15.6	10.5	16.6	14.4	14.8	16.9
E	5.7	32.2	8.2	.4	.0		46.5	12.2	46.8	45.8	46.5	47.1
SE	2.2	11.2	5.1	.3	.0		19.0	13.2	17.0	20.5	20.0	18.3
S	.9	2.2	.6	*	.0		3.8	10.7	3.7	4.0	4.3	3.4
SW	.6	.7	.1	.0	.0		1.4	8.3	1.6	1.5	1.5	1.1
W	.5	.9	.2	*	*		1.7	10.2	1.2	1.7	1.8	1.9
NW	.7	2.1	.7	.1	.0		3.6	11.8	4.1	3.5	3.3	3.4
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	1.4						1.4	.0	.8	1.9	2.0	.9
TOT OBS						10282		11.8	2524	2769	2413	2576
TOT PCT	17.0	64.6	17.4	1.0	*		100.0		100.0	100.0	100.0	100.0

ANNUAL

PERIOD: (PRIMARY) 1958-1976
(OVER-ALL) 1871-1976

AREA 0018 TUAMOTU ARCHIPELAGO
16.2S 144.2W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS) 1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00&03	.8	2.8	39.1	52.6	4.5	.2	.0	12.2	100.0	2524
06&09	1.9	4.0	44.7	43.6	5.8	.0	.0	11.5	100.0	2769
12&15	2.0	2.9	44.1	46.1	4.7	.1	.0	11.5	100.0	2413
18&21	.9	3.1	39.7	51.4	4.7	.2	.0	12.1	100.0	2576
TOT								11.8		10282
PCT	1.4	3.3	41.9	48.3	5.0	.1	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	1.4	1.6	2.4	1.6		4.8
NE	4.1	4.8	5.0	1.9		4.1
E	14.0	17.1	12.5	3.1		3.8
SE	5.1	6.3	6.2	1.6		4.1
S	.9	1.3	1.4	.5		4.4
SW	.3	.4	.6	.2		5.0
W	.2	.3	.6	.4		5.5
NW	.4	.8	1.2	1.0		5.3
VAR	.0	.0	.0	.0		.0
CALM	.7	.3	.3	.1		3.5
TOT OBS					8494	4.1
TOT PCT	27.0	32.8	30.2	10.0	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT,NH >4/8) AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

WND DIR	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	TOTAL OBS
N	*	*	.1	.9	1.1	.5	.2	.1	.0	*	4.4	
NE	*	.1	.1	.8	1.6	1.0	.2	*	*	*	11.6	
E	.1	.1	.4	1.5	4.0	2.2	.6	.1	.1	.1	37.7	
SE	*	*	.2	.9	2.3	1.3	.4	.1	*	*	13.9	
S	.0	.0	.1	.2	.6	.3	.1	*	*	*	2.7	
SW	.0	.0	*	.1	.2	.2	*	*	*	.0	.9	
W	.0	.0	.1	.1	.2	.2	*	*	*	.0	.8	
NW	*	*	.1	.3	.7	.3	*	*	*	.0	1.9	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.0	*	.1	.1	*	*	*	*	.0	1.2	
TOT OBS												8494
TOT PCT	.1	.2	1.1	4.5	10.9	6.0	1.4	.4	.1	.2	75.0	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) * OR >10	* OR >5	* OR >2	* OR >1	* OR >1/2	* OR >1/4	* OR >50YD	* OR >0
* OR >6500	.2	.3	.3	.3	.3	.3	.3	.3
* OR >5000	.5	.6	.7	.7	.8	.8	.8	.8
* OR >3500	1.3	1.7	2.1	2.1	2.1	2.1	2.1	2.1
* OR >2000	5.2	7.3	8.1	8.2	8.2	8.2	8.2	8.2
* OR >1000	11.6	17.0	18.8	18.9	19.0	19.1	19.1	19.1
* OR >600	14.3	20.9	23.0	23.3	23.4	23.5	23.6	23.6
* OR >300	14.7	21.6	23.9	24.3	24.5	24.6	24.6	24.6
* OR >150	14.7	21.7	24.1	24.5	24.7	24.8	24.8	24.8
* OR > 0	14.8	21.8	24.2	24.6	24.8	24.9	25.0	25.0

TOTAL NUMBER OF OBS: 8650 PCT FREQ NH <5/8: 75.0

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8 OBSCD	TOTAL OBS
2.3	13.2	23.0	22.2	13.4	7.6	6.6	4.9	6.7	.1	9390

PERIOD: (PRIMARY) 1956-1978
(OVER-ALL) 1871-1978

AREA 0018 TUAMOTU ARCHIPELAGO
16.2S 144.2W

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	*	*	*	.0	*	.0	*	*	.0	.0	.1	
	NO PCP	*	*	*	.0	.0	*	.0	.0	.0	.0	.1	
	TOT %	.1	*	*	.0	*	*	*	*	.0	.0	.2	
1/2<1	PCP	*	*	*	*	*	.0	*	*	.0	.0	.2	
	NO PCP	*	*	.0	.0	*	.0	.0	*	.0	.0	.1	
	TOT %	.1	.1	*	*	*	.0	*	.1	.0	.0	.2	
1<2	PCP	.1	*	*	*	*	.0	*	.1	.0	.0	.2	
	NO PCP	*	.1	.1	*	.0	*	.0	.1	.0	.0	.3	
	TOT %	.1	.1	.1	.1	*	*	*	.1	.0	.0	.5	
2<5	PCP	.2	.1	.2	.1	*	*	.1	.1	.0	*	.9	
	NO PCP	.2	.5	.9	.6	.2	.1	.1	.2	.0	*	2.9	
	TOT %	.4	.6	1.2	.6	.2	.1	.2	.4	.0	*	3.8	
5<10	PCP	.3	.3	.6	.3	.1	.1	.1	.1	.0	*	1.9	
	NO PCP	1.4	2.4	6.1	3.2	.6	.2	.4	.7	.0	.1	15.1	
	TOT %	1.7	2.6	6.6	3.5	.8	.3	.4	.8	.0	.1	16.9	
10+	PCP	.2	.2	.7	.3	*	*	*	.1	.0	.0	1.5	
	NO PCP	4.6	12.1	37.8	14.3	2.8	1.0	1.0	2.1	.0	1.2	76.7	
	TOT %	4.7	12.3	38.5	14.5	2.8	1.0	1.0	2.2	.0	1.2	78.3	
	TOT OBS												9751
	TOT PCT	7.0	15.7	46.4	19.0	3.8	1.4	1.6	3.6	.0	1.3	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.1	*	.0	*	.0	.0	.0	.0		.1	
	11-21	*	*	*	.0	.0	*	*	*	.0		.1	
	22+	*	*	*	.0	.0	.0	.0	*	.0		*	
	TOT %	.1	.1	.1	.0	*	*	*	*	.0	.0	.3	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	*	.1	*	*	*	.0	*	*	.0		.1	
	11-21	*	*	*	.0	*	.0	.0	*	.0		.1	
	22+	.0	.0	*	*	.0	.0	.0	*	.0		*	
	TOT %	.1	.1	*	*	*	.0	*	.1	.0	.0	.3	
1<2	0-3	.0	*	.0	.0	.0	.0	.0	.0	.0	.0	*	
	4-10	*	*	*	*	.0	*	*	*	.0		.2	
	11-21	.1	*	*	*	.0	.0	.0	.1	.0		.3	
	22+	*	*	*	*	*	.0	.0	*	.0		.1	
	TOT %	.1	.1	.1	.1	*	*	*	.1	.0	.0	.6	
2<5	0-3	.0	*	.0	*	*	*	.0	.0	.0	*	.1	
	4-10	.1	.2	.3	.2	.1	.1	*	.1	.0		1.1	
	11-21	.3	.3	.7	.5	.1	*	.1	.3	.0		2.2	
	22+	.1	.1	.1	.1	*	*	*	*	.0		.5	
	TOT %	.4	.6	1.2	.8	.2	.1	.2	.4	.0	*	3.8	
5<10	0-3	.1	*	.1	*	*	*	.1	*	.0	.1	.5	
	4-10	.7	1.2	1.8	.7	.2	.1	.2	.4	.0		5.3	
	11-21	.7	1.3	4.1	2.1	.5	.1	.1	.4	.0		9.4	
	22+	.1	.1	.6	.7	.1	*	*	*	.0		1.7	
	TOT %	1.7	2.6	6.6	3.5	.8	.3	.4	.8	.0	.1	16.9	
10+	0-3	.4	.4	.9	.4	.2	.2	.1	.1	.0	1.1	3.8	
	4-10	2.4	7.0	16.4	5.3	1.4	.6	.6	1.1	.0		34.8	
	11-21	1.9	4.7	19.8	7.9	1.1	.3	.3	.9	.0		36.8	
	22+	.1	.2	1.3	1.0	.1	*	*	.1	.0		2.8	
	TOT %	4.7	12.3	38.4	14.6	2.8	1.0	1.0	2.2	.0	1.1	78.2	
	TOT OBS												9771
	TOT PCT	7.0	15.8	46.4	19.0	3.8	1.4	1.6	3.6	.0	1.3	100.0	

ANNUAL

PERIOD: (PRIMARY) 1958-1978
(OVER-ALL) 1871-1978

AREA 0018 TUAMOTU ARCHIPELAGO
16.2S 144.2W

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET,NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00&03	.2	.2	.7	4.5	11.8	6.7	1.2	.5	.1	.2	26.1	73.9	2428
06&09	*	.1	.9	4.0	8.7	4.8	1.3	.3	.2	.2	20.6	79.4	2216
12&15	.6	.3	1.2	4.3	10.3	5.4	1.6	.3	.0	.3	24.0	76.0	2236
18&21	.4	.2	1.5	4.1	10.6	6.2	1.4	.5	.2	*	24.7	75.3	2263
TOT PCT	.1	.2	1.0	4.3	10.4	5.8	1.4	.4	.1	.2	23.9	76.1	9143 100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00&03	.2	.2	.4	3.2	11.0	85.0	2500
06&09	.2	.3	.8	4.4	21.8	72.4	2635
12&15	.3	.2	.7	5.5	20.8	72.7	2408
18&21	.4	.2	.4	3.0	15.0	81.1	2487
TOT PCT	.3	.3	.6	4.0	17.1	77.8	10030 100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET,NH >4/8),BY HOUR

HOUR (GMT)	<150 <500YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL OBS
00&03	.2	1.5	8.5	19.0	72.5	2346
06&09	*	1.4	8.9	14.5	76.6	2065
12&15	.2	2.0	11.1	16.4	72.5	2099
18&21	.1	2.1	8.6	18.0	73.5	2140
TOT PCT	.1	1.7	9.2	17.0	73.8	8650 100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
90/94	.0	.0	*	.1	.2	.1	*	.0		.4
85/89	.0	.0	.0	.2	1.8	2.8	.6	.1		5.5
80/84	.0	*	*	.2	5.4	30.0	15.5	2.2		53.3
75/79	.0	.0	*	.3	2.5	15.0	14.4	4.3		36.5
70/74	.0	.0	.0	.1	.5	1.2	1.3	1.0		4.2
65/69	.0	.0	.0	.0	*	*	*	*		.1
60/64	.0	.0	.0	.0	.0	*	.0	.0		*
TOTAL PCT	.0	*	.1	.9	10.4	49.0	31.9	7.7	9475	100.0

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
*	.1	.2	*	*	.0	.0	*	.0	*
.3	1.2	2.9	.6	.1	.1	.1	.2	.0	.1
4.1	9.2	20.3	8.5	1.3	.6	.7	1.8	.0	.9
2.3	5.0	15.9	8.3	1.9	.6	.7	1.4	.0	.4
.2	.3	1.2	1.6	.5	.2	.1	.1	.0	*
.0	*	*	*	*	*	*	.0	.0	.0
.0	.0	.0	.0	.0	*	.0	.0	.0	.0
6.9	15.8	46.5	19.1	3.9	1.5	1.6	3.4	.0	1.4

TABLE 15

MEANS,EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00&03	95	89	86	82	76	74	66	81.3	2549
06&09	89	84	82	80	74	73	68	79.4	2857
12&15	88	83	82	79	75	73	66	78.6	2486
18&21	91	87	84	81	76	74	64	80.3	2629
TOT	95	87	84	80	76	73	64	79.9	10501

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00&03	.0	1.9	20.0	52.1	20.4	5.6	75	2453
06&09	.0	.4	5.6	47.8	37.6	8.5	79	2484
12&15	.0	.5	4.1	44.3	40.5	10.6	80	2391
18&21	.0	1.1	11.6	50.7	29.9	6.8	77	2387
TOT	0	101	1020	4736	3099	759	78	9715

PERIOD: (PRIMARY) 1958-1978
(OVER-ALL) 1871-1978

AREA 0018 TUAMOTU ARCHIPELAGO
16.2S 144.2W

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	61 64	65 68	69 72	73 76	77 80	81 84	85 88	89 92	>92	TOT	W FOG	WO FOG
17/19	.0	.0	.0	.0	.0	.0	.0	*	.0	1	.0	*
14/16	.0	.0	.0	.0	.0	.0	.0	.1	*	8	.0	.1
11/13	.0	.0	.0	.0	*	*	*	*	*	11	.0	.1
9/10	.0	.0	.0	.0	*	.1	.1	.1	*	22	.0	.2
7/8	.0	.0	.0	.0	.1	.1	.1	.1	*	43	*	.4
6	.0	.0	.0	.0	.1	.2	.3	.1	.0	71	.0	.8
5	.0	.0	.0	*	.2	.5	.5	.1	.0	137	.0	1.5
4	.0	.0	.0	*	.3	1.1	.8	.1	*	220	.0	2.3
3	.0	.0	.0	.1	.6	1.5	.8	*	.0	299	*	3.1
2	.0	.0	.0	.1	1.2	3.7	.7	.0	.0	544	*	5.7
1	.0	.0	.0	.4	2.8	5.8	.8	.0	.0	928	*	9.7
0	.0	.0	*	.8	6.0	9.5	.4	.0	.0	1606	.1	16.6
-1	.0	.0	*	1.4	8.9	7.7	.2	.0	.0	1764	.1	18.1
-2	.0	.0	*	1.6	8.2	5.5	.1	.0	.0	1500	.1	15.4
-3	.0	*	.2	1.7	5.9	2.9	*	.0	.0	1045	*	10.7
-4	.0	.0	.1	1.6	3.8	1.4	*	.0	.0	666	*	6.8
-5	.0	*	.2	1.5	2.0	.7	*	.0	.0	444	.0	4.5
-6	.0	*	.2	.5	.8	.1	.0	.0	.0	157	.0	1.6
-7/-8	.0	.0	.2	.6	.5	.1	.0	.0	.0	125	*	1.3
-9/-10	*	*	*	.3	.1	*	.0	.0	.0	47	.0	.5
-11/-13	.0	.0	*	.1	*	.0	.0	.0	.0	9	.0	.1
-14/-16	.0	.0	*	.0	.0	.0	.0	.0	.0	1	.0	*
TOTAL										9648		
PCT	*	.1	.9	10.8	41.6	41.0	5.0	.6	.1	100.0	.4	99.6

PERIOD: (OVER-ALL) 1963-1978

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.2	.7	.1	.0	.0	.0	1.0
1-2	.1	1.7	1.2	.0	.0	.0	2.9
3-4	.0	.5	.8	.1	.0	.0	1.4
5-6	.0	.1	.6	.1	.0	.0	.7
7	.0	*	.2	.1	.0	.0	.2
8-9	.0	.0	*	.1	.0	.0	.1
10-11	.0	.0	.0	*	*	.0	.1
12	.0	.0	.0	*	.0	.0	*
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	*	.0	.0	.0	*
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.3	2.9	2.8	.3	*	.0	6.4

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.2	1.2	.1	.0	.0	.0	1.4
1-2	.2	4.7	2.4	.0	.0	.0	7.3
3-4	*	1.9	2.7	.1	.0	.0	4.7
5-6	.0	.3	1.2	.2	.0	.0	1.7
7	.0	*	.3	.1	.0	.0	.4
8-9	.0	*	*	*	.0	.0	.1
10-11	.0	.0	.0	*	*	.0	*
12	.0	.0	*	.0	.0	.0	*
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	*	.0	.0	.0	*
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.3	8.2	6.8	.4	*	.0	15.7

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.3	1.6	.3	.0	.0	.0	2.2
1-2	.4	10.0	6.6	.0	.0	.0	17.1
3-4	*	5.1	10.1	.8	.0	.0	16.1
5-6	*	1.2	6.8	.6	*	.0	8.6
7	.0	.1	1.8	.4	.0	.0	2.3
8-9	.0	*	.4	.2	.0	.0	.7
10-11	.0	.0	.1	.2	*	.0	.3
12	.0	*	.1	*	.0	.0	.1
13-16	.0	*	*	.1	.0	.0	.1
17-19	.0	*	.0	.0	.0	.0	*
20-22	.0	.0	*	.0	.0	.0	*
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.8	18.0	26.4	2.3	*	.0	47.5

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.2	.9	.1	.0	.0	.0	1.2
1-2	.1	3.2	3.0	.0	.0	.0	6.3
3-4	*	1.4	3.5	.5	.0	.0	5.4
5-6	.0	.3	3.0	.6	.0	.0	3.9
7	.0	*	1.2	.4	.0	.0	1.6
8-9	.0	*	.3	.3	.0	.0	.6
10-11	.0	.0	.1	.2	*	.0	.3
12	.0	*	.1	.1	.0	.0	.1
13-16	.0	.0	*	*	.0	.0	*
17-19	.0	*	.0	.0	.0	.0	*
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.3	5.9	11.2	2.0	*	.0	19.5

PERIOD: (OVER-ALL) 1963-1978 ANNUAL AREA 0018 TUAMOTU ARCHIPELAGO 16.2S 144.2W

TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

S

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.1	.3	*	.0	.0	.0	.4
1-2	.1	.9	.4	.0	.0	.0	1.4
3-4	.0	.3	.6	.1	.0	.0	1.0
5-6	.0	.1	.4	.1	.0	.0	.6
7	.0	*	.1	*	.0	.0	.2
8-9	.0	*	*	*	.0	.0	.1
10-11	.0	.0	*	*	.0	.0	*
12	.0	.0	.0	*	.0	.0	*
13-16	.0	.0	.0	*	.0	.0	*
17-19	.0	*	.0	.0	.0	.0	*
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.2	1.7	1.7	.2	.0	.0	3.7

SW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.1	.1	*	.0	.0	.0	.3
1-2	*	.4	.2	.0	.0	.0	.7
3-4	*	.2	.1	*	.0	.0	.3
5-6	.0	*	.1	.0	.0	.0	.1
7	.0	.0	*	.0	.0	.0	*
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.2	.7	.5	*	.0	.0	1.4

W

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.1	.1	*	.0	.0	.0	.3
1-2	*	.4	.1	.0	.0	.0	.5
3-4	.0	.1	.1	*	.0	.0	.3
5-6	*	.1	.2	.0	.0	.0	.2
7	.0	.0	*	*	.0	.0	*
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.1	.7	.5	*	.0	.0	1.4

NW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	.1	.2	*	.0	.0	.0	.4	
1-2	.1	.7	.5	.0	.0	.0	1.3	
3-4	.0	.3	.6	.1	.0	.0	1.1	
5-6	*	*	.3	*	.0	.0	.3	
7	.0	*	.1	*	.0	.0	.1	
8-9	.0	.0	.1	*	.0	.0	.1	
10-11	.0	.0	.0	*	.0	.0	*	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	*	.0	.0	.0	*	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.1	1.3	1.7	.2	.0	.0	3.3	98.8

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	2.7	5.2	.7	.0	.0	.0	8.5	
1-2	1.1	22.1	14.5	.0	.0	.0	37.8	
3-4	.1	9.7	18.5	1.8	.0	.0	30.0	
5-6	*	2.1	12.5	1.5	*	.0	16.1	
7	.0	.2	3.7	1.0	.0	.0	4.8	
8-9	.0	.1	.9	.6	.0	.0	1.6	
10-11	.0	.0	.2	.5	.1	.0	.7	
12	.0	*	.1	.2	.0	.0	.3	
13-16	.0	*	*	.1	.0	.0	.1	
17-19	.0	*	.0	.0	.0	.0	*	
20-22	.0	.0	*	.0	.0	.0	*	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	3.9	39.3	51.2	5.6	.1	.0	100.0	7661

PERIOD: (OVER-ALL) 1949-1977

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	1.9	10.2	13.0	7.4	2.3	.7	.3	.1	*	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	3034	3
6-7	.1	2.5	9.7	9.5	4.9	1.7	.9	.2	.1	.1	*	*	.0	.0	.0	.0	.0	.0	.0	2567	5
8-9	*	1.3	4.5	6.8	3.5	1.2	.7	.3	.3	.1	*	.0	*	.0	.0	.0	.0	.0	.0	1471	6
10-11	.0	1.2	1.3	1.1	1.0	.6	.2	.2	.2	*	.0	*	.0	.0	*	.0	.0	.0	.0	526	6
12-13	.0	.0	1.4	.6	.8	.2	.3	.1	.1	*	*	.0	.0	*	.0	.0	.0	.0	.0	306	6
>13	.0	.0	.0	.3	.3	.1	.1	*	.0	*	*	*	*	.0	.0	.0	.0	.0	.0	85	8
INDET	.9	1.0	1.8	1.9	.9	.4	.2	.2	.1	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	642	4
TOTAL PCT	2.9	16.2	31.5	25.7	13.6	4.9	2.7	1.2	.8	.3	.1	*	*	*	*	.0	.0	.0	.0	8631 100.0	5

PERIOD: (PRIMARY) 1958-1978
(OVER-ALL) 1871-1978

TABLE 20

AREA 0018 TUAMOTU ARCHIPELAGO
16.2S 144.2W

PERCENT FREQUENCY OF OCCURRENCE OF SEA TEMP (DEG F) BY MONTH

SEA TMP DEG F	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN	PCT
96+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
95/96	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
93/94	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
91/92	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.1	.0	2	*
89/90	.1	.1	.3	.1	.1	.0	.0	.0	.0	.1	.2	.0	10	.1
87/88	.7	.6	2.9	1.9	.8	.2	.0	.0	.0	.2	.9	.6	73	.7
85/86	9.2	14.4	12.7	13.8	9.1	2.0	.2	.5	.6	.3	2.6	3.6	553	5.4
83/84	29.4	34.2	35.9	32.7	27.5	11.4	2.7	1.7	1.1	5.5	16.3	24.6	1879	18.3
81/82	38.0	41.4	39.6	42.4	50.5	41.1	27.0	24.5	19.2	31.7	44.4	47.4	3787	36.8
79/80	9.1	7.3	6.1	7.4	8.1	30.6	32.3	31.4	36.0	40.2	29.0	17.8	2283	22.2
77/78	3.1	1.1	2.0	.8	2.1	11.7	20.1	31.1	30.9	14.5	5.2	3.3	1155	11.2
75/76	.3	.7	.2	.3	.7	2.2	15.3	8.3	9.3	4.5	1.0	2.4	426	4.1
73/74	.1	.1	.2	.4	.6	.5	2.0	1.8	2.6	2.5	.3	.3	105	1.0
71/72	.0	.0	.0	.0	.4	.1	.2	.4	.2	.2	.0	.0	14	.1
69/70	.0	.0	.0	.0	.0	.2	.2	.2	.1	.0	.0	.0	7	.1
67/68	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
65/66	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
63/64	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
61/62	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
59/60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
57/58	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
55/56	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
53/54	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
51/52	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
49/50	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
47/48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
45/46	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
43/44	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
41/42	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
39/40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
37/38	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
35/36	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
33/34	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
31/32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
29/30	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
27/28	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
<27	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
TOTAL	718	694	841	846	832	984	1045	869	959	823	898	783	10294	100.0
MEAN	82.4	82.5	82.7	82.6	82.1	80.5	78.9	78.8	78.6	79.7	81.1	81.5	80.9	

TABLE 21

PRESSURE (MB)

AVERAGE BY HOUR (GMT)

MO	0000	0300	0600	0900	1200	1500	1800	2100	MEAN	TOTAL OBS
JAN	1010	1009	1011	1012	1011	1012	1012	1011	1011	733
FEB	1011	1010	1012	1011	1011	1010	1012	1012	1011	677
MAR	1011	1012	1012	1014	1012	1013	1013	1013	1012	834
APR	1011	1012	1013	1014	1012	1013	1014	1014	1013	850
MAY	1012	1012	1013	1014	1013	1012	1014	1014	1013	832
JUN	1013	1014	1014	1016	1014	1015	1015	1015	1014	1000
JUL	1014	1015	1015	1017	1014	1015	1016	1017	1015	1039
AUG	1014	1015	1015	1017	1015	1015	1016	1016	1015	902
SEP	1014	1016	1016	1017	1015	1016	1016	1016	1015	964
OCT	1013	1013	1015	1014	1013	1013	1015	1015	1014	842
NOV	1011	1011	1012	1014	1011	1013	1013	1012	1012	863
DEC	1011	1010	1012	1012	1011	1011	1013	1013	1012	818
ANN	1012	1012	1013	1014	1013	1013	1014	1014	1013	10354
OBS	2324	208	2565	233	2231	227	2306	260		

PERCENTILES

MO	MIN	1%	5%	25%	50%	75%	95%	99%	MAX
JAN	998	1004	1007	1009	1011	1013	1015	1017	1022
FEB	1001	1005	1007	1010	1011	1013	1015	1018	1024
MAR	1001	1005	1008	1011	1012	1014	1016	1018	1022
APR	997	1007	1009	1011	1013	1014	1016	1018	1021
MAY	998	1007	1010	1012	1013	1014	1016	1018	1022
JUN	1000	1005	1009	1013	1014	1016	1018	1020	1026
JUL	1001	1004	1010	1013	1015	1017	1020	1021	1024
AUG	1005	1008	1012	1014	1015	1017	1019	1020	1025
SEP	1002	1009	1011	1013	1015	1017	1020	1021	1024
OCT	1006	1008	1010	1012	1014	1016	1018	1020	1024
NOV	1004	1006	1008	1011	1012	1014	1016	1018	1020
DEC	999	1004	1007	1010	1012	1013	1016	1018	1026

JANUARY

PERIOD: (PRIMARY) 1934-1978
(OVER-ALL) 1873-1978

AREA 0019 PITCAIRN ISLAND
25.0S 129.9W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

	PRECIPITATION TYPE									OTHER WEATHER PHENOMENA						
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG	DUST BLWG SNOW	NO SIG WEA
N	.0	7.3	4.6	.0	.0	.0	.0	11.9	.0	.0	1.3	.0	.0	.0	.0	86.8
NE	.9	5.2	.0	.0	.0	.0	.0	6.1	.9	.9	.9	.0	.0	.0	.0	91.5
E	2.7	3.4	.0	.0	.0	.0	.0	5.9	.5	5.4	3.2	.0	.0	.0	.0	85.3
SE	.0	2.7	.0	.0	.0	.0	.0	2.7	.0	2.7	1.3	.0	.0	.0	.0	93.3
S	16.7	.0	.0	.0	.0	.0	.0	16.7	.0	11.1	.0	.0	.0	.0	.0	72.2
SW	15.4	.0	.0	.0	.0	.0	.0	15.4	30.8	.0	.0	.0	.0	.0	.0	53.8
W	18.2	12.7	.0	.0	.0	.0	.0	30.9	.0	.0	.0	.0	.0	.0	.0	69.1
NW	9.0	10.4	1.5	.0	.0	.0	.0	14.9	.0	6.0	3.0	.0	.0	.0	.0	76.1
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
TOT PCT	3.0	4.8	.7	.0	.0	.0	.0	8.5	.7	3.8	1.9	.0	.0	.0	.0	85.9
TOT OBS:	270															

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

	PRECIPITATION TYPE									OTHER WEATHER PHENOMENA						
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG	DUST BLWG SNOW	NO SIG WEA
00&03	1.4	5.4	.0	.0	.0	.0	.0	6.8	.0	.0	.0	.0	.0	.0	.0	93.2
06&09	2.3	4.7	.0	.0	.0	.0	.0	7.0	2.3	5.8	3.5	.0	.0	.0	.0	81.4
12&15	2.0	3.9	3.9	.0	.0	.0	.0	9.8	.0	9.8	.0	.0	.0	.0	.0	80.4
18&21	5.2	5.2	.0	.0	.0	.0	.0	10.4	1.3	1.3	2.6	.0	.0	.0	.0	85.7
TOT PCT	2.8	4.9	.7	.0	.0	.0	.0	8.3	1.0	3.8	1.7	.0	.0	.0	.0	85.4
TOT OBS:	268															

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	WIND SPEED (KNOTS)									HOUR (GMT)							
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	1.6	6.4	4.5	.8	.0	.0		13.3	9.6	14.9	.0	7.7	19.5	16.9	.0	7.8	19.0
NE	1.9	11.7	6.0	.1	.0	.0		19.7	9.0	23.6	.0	23.5	12.5	11.7	.0	21.3	20.7
E	1.6	19.1	12.1	1.4	.0	.0		34.2	10.7	28.4	.0	37.5	39.8	33.1	50.0	34.5	36.4
SE	.5	7.7	5.7	1.3	.0	.0		15.2	11.1	10.1	.0	11.0	13.3	19.0	.0	24.7	13.0
S	.0	2.7	.4	.2	.0	.0		3.3	9.1	2.9	.0	8.8	3.1	1.2	.0	.0	4.3
SW	.0	1.2	.0	.0	.0	.0		1.2	8.4	.0	.0	.4	3.1	.0	.0	2.4	3.3
W	.5	3.4	1.4	.0	.0	.0		5.3	7.5	9.5	.0	4.0	4.7	5.6	.0	4.4	1.1
NW	.0	3.6	1.4	.3	.3	.0		5.6	10.8	7.2	.0	4.0	3.9	9.3	50.0	3.7	2.2
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	2.2							2.2	.0	3.4	.0	2.9	.0	3.2	.0	1.4	.0
TOT OBS	31	207	117	15	1	0	371		9.8	87	0	68	32	62	2	74	48
TOT PCT	8.4	55.8	31.5	4.0	.3	.0		100.0		100.0	.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

	WIND SPEED (KNOTS)								HOUR (GMT)			
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	06 09	12 15	18 21
N	5.5	5.9	2.0	.0	.0		13.3	9.6	14.9	11.5	16.4	12.1
NE	6.1	12.7	.9	.0	.0		19.7	9.0	23.6	20.0	11.3	21.0
E	6.1	24.1	3.7	.3	.0		34.2	10.7	28.4	38.3	33.6	35.2
SE	4.6	8.3	2.4	.0	.0		15.2	11.1	10.1	11.8	18.4	20.2
S	1.1	1.9	.3	.0	.0		3.3	9.1	2.9	7.0	1.2	1.7
SW	.0	1.2	.0	.0	.0		1.2	8.4	.0	1.3	.0	2.7
W	2.9	2.3	.1	.0	.0		5.3	7.5	9.5	4.3	5.5	3.1
NW	2.4	2.4	.6	.3	.0		5.6	10.8	7.2	4.0	10.5	3.1
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	2.2						2.2	.0	3.4	2.0	3.1	.8
TOT OBS	114	218	37	2	0	371		9.8	87	100	64	120
TOT PCT	30.7	58.8	10.0	.5	.0		100.0		100.0	100.0	100.0	100.0

JANUARY

PERIOD: (PRIMARY) 1934-1978
(OVER-ALL) 1873-1978

AREA 0019 PITCAIRN ISLAND
25.0S 129.9W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS) 1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00&03	3.4	5.7	50.6	35.6	3.4	1.1	.0	9.7	100.0	87
06&09	2.0	10.0	55.0	27.0	6.0	.0	.0	9.5	100.0	100
12&15	3.1	4.7	53.1	35.9	3.1	.0	.0	9.9	100.0	64
18&21	.8	4.2	61.7	30.0	3.3	.0	.0	10.1	100.0	120
TOT	8	23	207	117	15	1	0	9.8		371
PCT	2.2	6.2	55.8	31.5	4.0	.3	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	2.0	3.8	4.7	1.4		4.7
NE	4.8	6.0	6.9	1.9		4.2
E	12.8	12.7	7.2	2.8		3.6
SE	2.2	5.7	4.9	2.7		4.8
S	1.2	.6	.4	.8		4.2
SW	.4	.0	.4	.0		4.5
W	1.6	1.1	.4	1.9		4.8
NW	.4	1.3	2.6	2.9		5.8
VAR	.0	.0	.0	.0		.0
CALM	.9	.9	.4	.0		2.8
TOT OBS	59	72	63	31	225	4.3
TOT PCT	26.2	32.0	28.0	13.8	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT,NH >4/8) AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

WND DIR	000-149	150-299	300-599	600-999	1000-1999	2000-3499	3500-4999	5000-6499	6500-7999	8000+	NH <5/8 ANY HGT	TOTAL OBS
N	.0	.3	.0	.9	.9	.4	.0	.2	.0	.0	9.1	
NE	.0	.1	.0	.4	.6	1.0	.4	.0	.0	.0	17.0	
E	.0	.0	.3	.9	2.9	1.2	.4	.4	.0	.0	29.2	
SE	.0	.0	.1	.0	1.9	.4	.0	.0	.0	.0	13.0	
S	.0	.0	.0	.0	.4	.0	.0	.0	.0	.0	2.6	
SW	.0	.0	.0	.0	.4	.0	.0	.0	.0	.0	.3	
W	.0	.0	.0	1.1	.4	.0	.0	.0	.0	.0	3.4	
NW	.0	.0	.0	.7	1.3	.0	.0	.2	.0	.0	4.4	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.2	
TOT OBS	0	1	1	9	20	7	2	2	0	0	183	225
TOT PCT	.0	.4	.4	4.0	8.9	3.1	.9	.9	.0	.0	81.3	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) * OR >10	* OR >5	* OR >2	* OR >1	* OR >1/2	* OR >1/4	* OR >50YD	* OR >0
* OR >6500	.0	.0	.0	.0	.0	.0	.0	.0
* OR >5000	.8	.8	.8	.8	.8	.8	.8	.8
* OR >3500	1.2	1.7	1.7	1.7	1.7	1.7	1.7	1.7
* OR >2000	3.7	4.6	4.6	5.0	5.0	5.0	5.0	5.0
* OR >1000	11.2	12.4	12.4	13.3	13.3	13.3	13.3	13.3
* OR >600	13.7	17.0	17.0	17.8	17.8	17.8	17.8	17.8
* OR >300	13.7	17.4	17.4	18.3	18.3	18.3	18.3	18.3
* OR >150	13.7	17.8	17.8	18.7	18.7	18.7	18.7	18.7
* OR > 0	13.7	17.8	17.8	18.7	18.7	18.7	18.7	18.7
TOTAL	33	43	43	45	45	45	45	45

TOTAL NUMBER OF OBS: 241

PCT FREQ NH <5/8: 81.3

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8 OBSCD	TOTAL OBS
4.0	18.1	26.2	20.2	12.9	4.0	3.6	3.6	7.3	.0	248

JANUARY

PERIOD: (PRIMARY) 1934-1978
(OVER-ALL) 1873-1978

AREA 0019 PITCAIRN ISLAND
25.0S 129.9W

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	PCP	.4	.1	.3	.0	.0	.0	.0	.0	.0	.0	.7	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.4	.1	.3	.0	.0	.0	.0	.0	.0	.0	.7	
2<5	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
5<10	PCP	.9	.6	1.1	.0	.2	.2	1.2	.9	.0	.0	5.2	
	NO PCP	3.1	1.8	3.1	1.1	.6	.4	.0	1.3	.0	.0	11.5	
	TOT %	4.1	2.4	4.3	1.1	.8	.6	1.2	2.2	.0	.0	16.7	
10+	PCP	.4	.5	.6	.4	.4	.0	.4	.0	.0	.0	2.6	
	NO PCP	9.2	16.8	29.5	12.4	2.1	.6	3.5	4.0	.0	1.9	80.0	
	TOT %	9.5	17.2	30.2	12.8	2.5	.6	3.9	4.0	.0	1.9	82.6	
	TOT OBS												270
	TOT PCT	14.0	19.7	34.7	13.9	3.3	1.2	5.1	6.2	.0	1.9	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.4	.1	.3	.0	.0	.0	.0	.0	.0		.7	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.4	.1	.3	.0	.0	.0	.0	.0	.0	.0	.7	
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
5<10	0-3	.4	.0	.4	.0	.0	.0	.4	.0	.0	.0	1.1	
	4-10	2.2	1.8	1.3	.4	.6	.6	.6	1.0	.0		8.5	
	11-21	1.1	.6	2.2	.6	.0	.0	.2	1.2	.0		5.9	
	22+	.4	.0	.4	.1	.3	.0	.0	.0	.0		1.1	
	TOT %	4.1	2.4	4.2	1.1	.8	.6	1.2	2.2	.0	.0	16.6	
10+	0-3	1.1	1.4	1.6	.0	.0	.0	.4	.0	.0	1.8	6.3	
	4-10	4.2	10.0	16.8	6.0	2.8	.6	2.1	2.5	.0		44.6	
	11-21	3.9	5.7	10.6	5.4	.4	.0	1.4	.7	.0		28.0	
	22+	.4	.1	1.1	1.4	.0	.0	.0	.7	.0		3.7	
	TOT %	9.5	17.2	30.1	12.7	2.9	.6	3.9	4.0	.0	1.8	82.7	
	TOT OBS												271
	TOT PCT	13.9	19.6	34.6	13.8	3.7	1.2	5.1	6.2	.0	1.8	100.0	

JANUARY

PERIOD: (PRIMARY) 1934-1978
(OVER-ALL) 1873-1978

AREA 0019 PITCAIRN ISLAND
25.0S 129.4W

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00&03	.0	1.4	1.4	1.4	8.3	2.8	1.4	1.4	.0	.0	18.1	81.9	72
06&09	.0	.0	.0	6.0	9.0	1.5	.0	.0	.0	.0	16.4	83.6	67
12&15	.0	.0	.0	8.2	8.2	8.2	.0	.0	.0	.0	24.5	75.5	49
18&21	.0	.0	.0	3.4	6.8	1.7	1.7	1.7	.0	.0	15.3	84.7	59
TOT	0	1	1	11	20	8	2	2	0	0	45	202	247
PCT	.0	.4	.4	4.5	8.1	3.2	.8	.8	.0	.0	18.2	81.8	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00&03	.0	.0	.0	.0	8.1	91.9	74
06&09	.0	.0	.0	.0	23.0	77.0	87
12&15	.0	.0	2.0	.0	15.7	82.4	51
18&21	.0	.0	1.3	.0	18.2	80.5	77
TOT	0	0	2	0	48	239	289
PCT	.0	.0	.7	.0	16.6	82.7	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET, NH >4/8), BY HOUR

HOUR (GMT)	<150 <500	<600 <1	<1000 <5	1000+ AND 5+	NH <5/8 AND 5+	TOTAL OBS
00&03	.0	2.8	4.2	13.9	81.9	72
06&09	.0	.0	6.3	11.1	82.5	63
12&15	.0	.0	10.2	14.3	75.5	49
18&21	.0	.0	5.3	10.5	84.2	57
TOT	0	2	15	30	196	241
PCT	.0	.8	6.2	12.4	81.3	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
90/94	.0	.0	.0	.0	.3	.0	.0	.0	1	.3
85/89	.0	.0	.0	.0	.0	.7	.0	.0	2	.7
80/84	.0	.0	.0	.7	7.0	10.5	4.5	1.0	68	23.8
75/79	.0	.0	.0	.0	3.5	28.3	23.8	8.0	182	63.6
70/74	.0	.0	.0	.0	.7	1.7	4.2	4.9	33	11.5
TOTAL	0	0	0	2	33	118	93	40	286	100.0
PCT	.0	.0	.0	.7	11.5	41.3	32.5	14.0		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
.0	.0	.0	.0	.0	.0	.3	.0	.0	.0
.0	.0	.7	.0	.0	.0	.0	.0	.0	.0
3.5	6.2	7.7	1.8	.0	.0	1.8	2.4	.0	.3
8.6	13.4	21.1	9.4	2.4	.7	3.1	3.1	.0	2.1
1.6	.5	3.0	3.1	1.4	.5	1.0	.5	.0	.0
13.6	20.1	32.4	14.2	3.8	1.2	6.2	5.9	.0	2.4

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00&03	90	87	84	79	73	71	71	79.3	90
06&09	82	80	79	77	73	72	72	76.6	108
12&15	79	78	78	76	73	70	70	75.7	68
18&21	88	87	83	79	73	70	70	78.6	120
TOT	90	87	82	78	73	70	70	77.7	386

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00&03	.0	2.3	22.1	44.2	20.9	10.5	76	86
06&09	.0	.0	7.3	46.3	34.1	12.2	80	82
12&15	.0	.0	.0	23.7	45.8	30.5	85	59
18&21	.0	1.3	13.0	44.2	35.1	6.5	78	77
TOT	0	3	35	124	100	42	79	304

JANUARY

PERIOD: (PRIMARY) 1934-1978
(OVER-ALL) 1873-1978

AREA 0019 PITCAIRN ISLAND
25.0S 129.9W

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	69 72	73 76	77 80	81 84	85 88	89 92	TOT	W FOG	WO FOG
14/16	.0	.0	.0	.0	.0	.8	2	.0	.8
11/13	.0	.0	.0	.0	.0	.4	1	.0	.4
9/10	.0	.0	.0	.0	.4	.0	1	.0	.4
7/8	.0	.0	.4	.0	.4	.0	2	.0	.8
5	.0	.0	.0	.8	.4	.0	3	.0	1.2
4	.0	.0	1.2	1.9	.0	.0	8	.0	3.1
3	.0	.4	1.9	2.7	.0	.0	13	.0	5.0
2	.0	.0	3.1	2.3	.0	.0	14	.4	5.0
1	.0	.4	9.6	3.1	.0	.0	34	.8	12.3
0	.0	2.7	8.5	.8	.0	.0	31	.0	11.9
-1	.0	6.2	11.5	.8	.0	.0	48	.0	18.5
-2	.0	9.6	7.3	.4	.0	.0	45	.4	16.9
-3	.0	6.2	3.1	.4	.0	.0	25	.0	9.6
-4	.4	2.7	2.7	.0	.0	.0	15	.4	5.4
-5	.4	2.7	.8	.0	.0	.0	10	.0	3.8
-6	.4	1.2	.4	.0	.0	.0	5	.0	1.9
-7/-8	.0	.0	.0	.0	.0	.0	2	.0	.8
-9/-10	.0	.4	.0	.0	.0	.0	1	.0	.4
TOTAL	5	84	134	34	3	3	260	5	255
PCT	1.9	32.3	50.3	13.1	1.2	1.2	100.0	1.9	98.1

PERIOD: (OVER-ALL) 1963-1978

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.7	2.8	.0	.0	.0	.0	3.5
1-2	.7	2.6	1.3	.0	.0	.0	4.6
3-4	.0	.0	3.7	.0	.0	.0	3.7
5-6	.0	.0	1.3	.0	.0	.0	1.3
7	.0	.0	.6	.7	.0	.0	1.3
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.5	5.4	6.9	.7	.0	.0	14.4

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.7	1.1	.0	.0	.0	.0	1.9
1-2	.7	5.0	1.9	.0	.0	.0	7.6
3-4	.0	3.7	1.1	.0	.0	.0	4.8
5-6	.0	.0	3.1	.0	.0	.0	3.1
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.3	9.8	6.1	.0	.0	.0	17.4

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	2.2	.0	.0	.0	.0	2.2
1-2	.7	7.2	2.0	.0	.0	.0	10.0
3-4	.0	9.6	5.7	1.3	.0	.0	16.7
5-6	.0	.7	3.7	.0	.0	.0	4.4
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.7	.0	.0	.0	.7
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.7	19.8	12.2	1.3	.0	.0	34.1

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	2.0	.0	.0	.0	.0	2.0
1-2	.0	2.2	.0	.0	.0	.0	2.2
3-4	.0	.0	2.2	.2	.0	.0	2.4
5-6	.0	.7	3.7	.0	.0	.0	4.4
7	.0	.0	1.5	2.4	.0	.0	3.9
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	5.0	7.4	2.6	.0	.0	15.0

PERIOD: (OVER-ALL) 1963-1978

JANUARY

AREA 0019 PITCAIRN ISLAND
25.0S 129.9W

TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

S

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.7	.0	.0	.0	.0	.7
1-2	.0	2.4	.0	.0	.0	.0	2.4
3-4	.0	.7	.0	.0	.0	.0	.7
5-6	.0	.0	.7	.0	.0	.0	.7
7	.0	.0	.0	.6	.0	.0	.6
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	3.9	.7	.6	.0	.0	5.2

SW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.9	.0	.0	.0	.0	.9
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.9	.0	.0	.0	.0	.9

W

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.7	.0	.0	.0	.0	.0	.7
1-2	.0	1.9	.0	.0	.0	.0	1.9
3-4	.0	.0	.7	.0	.0	.0	.7
5-6	.0	.0	.7	.0	.0	.0	.7
7	.0	.0	.6	.0	.0	.0	.6
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.7	1.9	2.0	.0	.0	.0	4.6

NW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	.0	.0	.0	.0	.0	.0	.0	
1-2	.0	3.7	.0	.0	.0	.0	3.7	
3-4	.0	.0	.6	.0	.0	.0	.6	
5-6	.0	.0	.7	.0	.0	.0	.7	
7	.0	.0	1.1	.0	.7	.0	1.9	
8-9	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.0	3.7	2.4	.0	.7	.0	6.9	98.5

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	8.4	8.4	.0	.0	.0	.0	16.8	
1-2	2.1	25.2	4.9	.0	.0	.0	32.2	
3-4	.0	13.3	13.3	1.4	.0	.0	28.0	
5-6	.0	1.4	13.3	.0	.0	.0	14.7	
7	.0	.0	3.5	3.5	.7	.0	7.7	
8-9	.0	.0	.7	.0	.0	.0	.7	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
								143
TOT PCT	10.5	48.3	35.7	4.9	.7	.0	100.0	

PERIOD: (OVER-ALL) 1949-1978

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	1.5	6.6	11.2	6.1	4.6	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	60	4
6-7	.0	.0	6.1	9.6	6.1	1.5	1.0	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	49	6
8-9	.0	.0	4.1	4.6	4.1	3.0	2.5	.0	1.5	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	40	7
10-11	.0	.5	1.0	2.0	1.5	2.0	1.0	1.0	1.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	21	8
12-13	.0	.0	1.5	.5	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5	4
>13	.0	.0	.0	.5	.5	.0	.0	.0	.0	.0	.0	.5	.0	.0	.0	.0	.0	.0	.0	3	12
INDET	.5	1.0	2.0	1.5	2.0	1.5	.5	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	19	6
TOTAL	4	16	51	49	37	18	10	2	7	2	0	1	0	0	0	0	0	0	0	197	6
PCT	2.0	8.1	25.9	24.9	18.8	9.1	5.1	1.0	3.6	1.0	.0	.5	.0	.0	.0	.0	.0	.0	.0	100.0	

FEBRUARY

PERIOD: (PRIMARY) 1932-1978
(OVER-ALL) 1873-1978

AREA 0019 PITCAIRN ISLAND
25.0S 129.9W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
N	8.2	9.0	2.2	.0	.0	.0	.0	19.4	6.7	3.0	.0	.0	.0		.0	70.9
NE	3.5	3.5	1.6	.0	.0	.0	.0	7.1	4.7	1.6	.0	.0	.0		.0	86.6
E	1.1	2.7	.0	.0	.0	.0	1.1	4.8	3.5	.0	.0	.0	.0		.0	91.7
SE	.0	2.6	.0	.0	.0	.0	.0	2.6	.0	.5	2.1	.0	.0		.0	94.8
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	12.0	.0	.0	.0		.0	88.0
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	100.0
W	31.8	.0	.0	.0	.0	.0	.0	31.8	.0	.0	.0	.0	.0		.0	68.2
NW	2.3	.0	2.3	.0	.0	.0	.0	4.5	13.6	.0	.0	.0	.0		.0	81.8
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	50.0	.0	.0	.0		.0	50.0
TOT PCT	3.0	3.4	.7	.0	.0	.0	.4	7.1	3.7	1.5	.4	.0	.0		.0	87.3
TOT OBS:	267															

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
00&03	3.1	1.5	.0	.0	.0	.0	1.5	6.2	1.5	1.5	.0	.0	.0		.0	90.8
06&09	4.1	9.6	2.7	.0	.0	.0	.0	15.1	5.5	1.4	1.4	.0	.0		.0	76.7
12&15	6.9	1.7	.0	.0	.0	.0	.0	8.6	5.2	5.2	.0	.0	.0		.0	81.0
18&21	1.3	3.8	.0	.0	.0	.0	.0	5.0	2.5	.0	.0	.0	.0		.0	92.5
TOT PCT	3.6	4.3	.7	.0	.0	.0	.4	8.7	3.6	1.8	.4	.0	.0		.0	85.5
TOT OBS:	276															

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	WIND SPEED (KNOTS)									HOUR (GMT)							
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	.8	8.0	3.2	.0	.0	.0		12.1	8.9	8.2	.0	13.0	24.2	8.3	37.5	10.1	16.0
NE	1.9	14.9	6.5	.3	.0	.0		23.6	8.8	19.2	.0	28.6	25.0	21.8	62.5	24.6	22.3
E	.1	15.7	17.5	1.0	.0	.0		34.4	11.8	35.1	.0	34.8	18.5	46.4	.0	34.1	28.7
SE	2.1	8.1	9.6	.1	.0	.0		19.8	11.1	23.2	.0	21.0	29.0	15.5	.0	17.8	16.0
S	.0	1.9	.3	.3	.0	.0		2.5	10.1	3.0	.0	.0	.0	1.2	.0	5.1	5.3
SW	.0	1.0	.3	.0	.0	.0		1.3	7.2	3.0	.0	.0	.0	.0	.0	3.3	.0
W	.0	1.3	.5	.3	.0	.0		2.1	12.0	3.4	.0	.0	.0	2.8	.0	1.4	4.3
NW	.3	2.0	.8	.3	.0	.0		3.4	10.0	3.7	.0	1.1	3.2	2.4	.0	3.6	7.4
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.8							.8	.0	1.2	.0	1.4	.0	1.6	.0	.0	.0
TOT OBS	22	192	141	8	0	0	363		10.3	82	0	69	31	63	2	69	47
TOT PCT	6.1	52.9	38.8	2.2	.0	.0		100.0		100.0	.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

	WIND SPEED (KNOTS)								HOUR (GMT)			
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	06 09	12 15	18 21
N	3.7	7.9	.4	.0	.0		12.1	8.9	8.2	16.5	9.2	12.5
NE	7.6	14.8	1.2	.0	.0		23.6	8.8	19.2	27.5	23.1	23.7
E	3.7	24.7	5.4	.0	.0		34.4	11.8	35.1	29.8	45.0	31.9
SE	4.1	11.4	4.3	.0	.0		19.8	11.1	23.2	23.5	15.0	17.0
S	1.0	1.3	.3	.0	.0		2.5	10.1	3.0	.0	1.2	5.2
SW	.9	.4	.0	.0	.0		1.3	7.2	3.0	.0	.0	1.9
W	.0	1.8	.3	.0	.0		2.1	12.0	3.4	.0	2.7	2.6
NW	1.0	2.1	.3	.0	.0		3.4	10.0	3.7	1.8	2.3	5.2
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	.8						.8	.0	1.2	1.0	1.3	.0
TOT OBS	83	234	46	0	0	363		10.3	82	100	65	116
TOT PCT	22.9	64.5	12.7	.0	.0		100.0		100.0	100.0	100.0	100.0

FEBRUARY

PERIOD: (PRIMARY) 1932-1978
(OVER-ALL) 1873-1978

AREA 0019 PITCAIRN ISLAND
25.0S 129.9W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS) 1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00&03	1.2	4.9	43.9	43.9	6.1	.0	.0	11.5	100.0	82
06&09	1.0	5.0	55.0	38.0	1.0	.0	.0	9.9	100.0	100
12&15	1.5	7.7	55.4	33.8	1.5	.0	.0	9.7	100.0	65
18&21	.0	4.3	56.0	38.8	.9	.0	.0	10.2	100.0	116
TOT	3	19	192	141	8	0	0	10.3		363
PCT	.8	5.2	52.9	38.8	2.2	.0	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	.4	3.7	4.9	2.0		5.5
NE	7.6	8.1	5.9	2.4		4.0
E	9.4	15.9	8.5	4.0		4.0
SE	5.9	5.6	6.4	.2		3.8
S	.0	.7	1.5	.0		5.6
SW	.5	.5	.4	.5		4.5
W	.4	.0	.4	.9		6.2
NW	.1	.7	1.4	.8		5.9
VAR	.0	.0	.0	.0		.0
CALM	.0	.5	.0	.0		4.0
TOT OBS	51	75	62	23	211	4.3
TOT PCT	24.2	35.5	29.4	10.9	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT,NH >4/8) AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	TOTAL OBS
.0	.0	.5	.8	1.2	.5	.0	.2	.0	.0	7.7	
.0	.0	.0	.9	1.1	1.4	.5	.0	.0	.0	20.0	
.0	.0	.0	1.9	1.8	.2	1.3	.5	.0	.0	32.1	
.0	.0	.0	.5	.7	1.2	.6	.0	.0	.0	15.2	
.0	.0	.0	.0	.4	.0	.0	.0	.0	.0	1.9	
.0	.0	.0	.1	.0	.5	.0	.0	.0	.0	1.2	
.0	.0	.0	.4	.5	.5	.0	.0	.0	.0	.4	
.0	.0	.0	.1	.6	.0	.0	.2	.0	.0	2.1	
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	
0	0	1	10	13	9	5	2	0	0	171	211
.0	.0	.5	4.7	6.2	4.3	2.4	.9	.0	.0	81.0	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) = OR >10	= OR >5	= OR >2	= OR >1	= OR >1/2	= OR >1/4	= OR >50YD	= OR >0
= OR >6500	.0	.0	.0	.0	.0	.0	.0	.0
= OR >5000	.9	.9	.9	.9	.9	.9	.9	.9
= OR >3500	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7
= OR >2000	6.9	7.8	7.8	7.8	7.8	7.8	7.8	7.8
= OR >1000	10.6	13.8	13.8	13.8	13.8	13.8	13.8	13.8
= OR >600	13.3	18.3	18.8	18.8	18.8	18.8	18.8	18.8
= OR >300	13.3	18.8	20.2	20.2	20.2	20.2	20.2	20.2
= OR >150	13.3	18.8	20.2	20.2	20.2	20.2	20.2	20.2
= OR > 0	13.3	18.8	20.2	20.2	20.2	20.2	20.2	20.2
TOTAL	29	41	44	44	44	44	44	44

TOTAL NUMBER OF OBS: 218 PCT FREQ NH <5/8: 79.8

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8 OBSCD	TOTAL OBS
1.3	11.2	28.0	28.7	13.0	3.6	4.5	4.0	7.6 .0	223

FEBRUARY

PERIOD: (PRIMARY) 1932-1978
(OVER-ALL) 1873-1978

TABLE 8

AREA 0019 PITCAIRN ISLAND
25.0S 129.9W

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
<1/2	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	PCP	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.4	
2<5	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.4	
	PCP	2.4	.5	.7	.1	.0	.0	.4	.1	.0	.0	4.1	
5<10	NO PCP	3.1	3.7	3.6	2.2	.2	.4	.4	2.2	.0	.0	15.7	
	TOT %	5.5	4.2	4.2	2.3	.2	.4	.7	2.2	.0	.0	19.9	
	PCP	.0	.8	1.0	.4	.0	.0	.3	.1	.0	.0	2.6	
10+	NO PCP	7.0	18.4	29.8	15.3	2.2	1.0	1.0	1.8	.0	.7	77.2	
	TOT %	7.0	19.2	30.8	15.6	2.2	1.0	1.3	1.9	.0	.7	79.8	
	TOT OBS												267
	TOT PCT	12.5	23.8	35.0	18.0	2.3	1.4	2.1	4.1	.0	.7	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
<1/2	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.4	.0	.0	.0	.0	.0	.0	.0		.4	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.4	
	0-3	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	
5<10	4-10	2.7	2.5	1.5	1.5	.2	.4	.7	.9	.0		10.5	
	11-21	2.4	1.3	2.3	.8	.0	.0	.0	.9	.0		7.9	
	22+	.0	.4	.4	.0	.0	.0	.0	.4	.0		1.1	
	TOT %	5.5	4.2	4.2	2.3	.2	.4	.7	2.2	.0	.0	19.9	
	0-3	.4	1.5	.0	1.5	.0	.0	.0	.4	.0	.7	4.5	
10+	4-10	5.1	11.5	13.4	6.1	1.9	.6	.7	1.3	.0		40.4	
	11-21	1.6	6.2	16.4	8.0	.3	.5	.7	.2	.0		33.7	
	22+	.0	.0	1.0	.1	.0	.0	.0	.0	.0		1.1	
	TOT %	7.0	19.2	30.8	15.6	2.2	1.0	1.3	1.9	.0	.7	79.8	
	TOT OBS												267
	TOT PCT	12.5	23.8	35.0	18.0	2.3	1.4	2.1	4.1	.0	.7	100.0	

FEBRUARY

PERIOD: (PRIMARY) 1932-1978
(OVER-ALL) 1873-1978

AREA 0019 PITCAIRN ISLAND
25.0S 129.9W

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00&03	.0	.0	.0	7.9	4.8	9.5	4.8	1.6	.0	.0	28.6	71.4	63
06&09	.0	.0	.0	10.2	6.1	4.1	2.0	.0	.0	.0	22.4	77.6	49
12&15	.0	.0	3.5	1.8	8.8	1.8	1.8	.0	.0	.0	17.5	82.5	57
18&21	.0	.0	1.9	.0	3.7	.0	1.9	1.9	.0	.0	9.3	90.7	54
TOT	0	0	3	11	13	9	6	2	0	0	44	179	223
PCT	.0	.0	1.3	4.9	5.8	4.0	2.7	.9	.0	.0	19.7	80.3	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00&03	.0	.0	.0	.0	9.2	90.8	65
06&09	.0	.0	.0	1.4	28.8	69.9	73
12&15	.0	.0	.0	3.4	5.2	91.4	58
18&21	.0	.0	.0	.0	30.0	70.0	80
TOT	0	0	0	3	54	219	276
PCT	.0	.0	.0	1.1	19.6	79.3	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET, NH >4/8), BY HOUR

HOUR (GMT)	<150 <50YD	<600 <1	<1000 <3	1000+ AND5+	NH <5/8 AND 5+	TOTAL OBS
00&03	.0	.0	8.1	21.0	71.0	62
06&09	.0	.0	10.6	12.8	76.6	47
12&15	.0	3.6	5.4	12.5	82.1	56
18&21	.0	1.9	1.9	7.5	90.6	53
TOT	0	3	14	30	174	218
PCT	.0	1.4	6.4	13.8	79.8	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
85/89	.0	.0	.0	.0	1.7	.7	.0	.0	7	2.4
80/84	.0	.3	.0	.0	5.6	12.5	8.7	1.7	83	28.8
75/79	.0	.0	.0	.0	3.1	28.1	27.1	8.3	192	66.7
70/74	.0	.0	.0	.0	.0	.3	1.4	.3	6	2.1
TOTAL	0	1	0	0	30	120	107	30	288	100.0
PCT	.0	.3	.0	.0	10.4	41.7	37.2	10.4		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
.0	1.7	.6	.1	.0	.0	.0	.0	.0	.0
3.0	7.0	9.7	4.8	.5	.8	1.0	1.9	.0	.0
8.3	13.3	26.9	12.4	1.6	.9	.9	1.6	.0	.7
.0	1.0	.6	.4	.0	.0	.0	.0	.0	.0
11.4	23.1	37.8	17.7	2.2	1.6	1.9	3.6	.0	.7

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00&03	89	88	85	80	75	69	69	79.6	83
06&09	81	80	80	78	74	67	67	77.4	101
12&15	80	79	79	77	75	73	73	76.7	72
18&21	87	86	85	80	76	70	70	79.9	115
TOT	89	86	84	78	75	72	67	78.5	371

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00&03	.0	1.4	27.0	41.9	20.3	9.5	76	74
06&09	.0	.0	5.4	39.2	40.5	14.9	81	74
12&15	.0	.0	1.5	39.7	42.6	16.2	82	68
18&21	.0	.0	6.3	43.8	46.3	3.8	79	80
TOT	0	1	30	122	111	32	79	296

FEBRUARY

PERIOD: (PRIMARY) 1932-1978
(OVER-ALL) 1873-1978

AREA 0019 PITCAIRN ISLAND
25.0S 129.9W

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	73 76	77 80	81 84	85 88	89 92	TOT	W FOG	WO FOG
7/8	.0	.0	.0	.4	.4	2	.0	.8
6	.0	.0	.0	.8	.0	2	.0	.8
5	.0	.4	.8	.0	.0	3	.0	1.3
4	.0	.4	.8	.0	.0	3	.0	1.3
3	.0	.4	2.1	.4	.0	7	.0	2.9
2	.0	3.4	2.5	.0	.0	14	.0	5.9
1	.4	8.8	5.5	.0	.0	35	.0	14.7
0	1.3	10.1	1.7	.0	.0	31	.4	12.6
-1	2.9	21.4	1.3	.0	.0	61	.0	25.6
-2	5.9	8.8	.0	.0	.0	35	.0	14.7
-3	3.8	6.7	.0	.0	.0	25	.0	10.5
-4	2.9	1.7	.0	.0	.0	11	.0	4.6
-5	1.3	1.3	.0	.0	.0	6	.0	2.5
-6	.4	.4	.0	.0	.0	2	.0	.8
-7/-8	.0	.4	.0	.0	.0	1	.0	.4
TOTAL	45	153	35	4	1	238	1	237
PCT	18.9	64.3	14.7	1.7	.4	100.0	.4	99.6

PERIOD: (OVER-ALL) 1963-1978

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.7	.0	.0	.0	.0	.7
1-2	.0	.9	.0	.0	.0	.0	.9
3-4	.0	3.9	1.6	.0	.0	.0	5.5
5-6	.0	.0	.7	.0	.0	.0	.7
7	.0	.0	.9	.0	.0	.0	.9
8-9	.0	.0	.9	.0	.0	.0	.9
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.9	5.5	4.1	.0	.0	.0	9.6

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.9	1.8	.0	.0	.0	.0	2.8
1-2	.0	3.4	.5	.0	.0	.0	3.9
3-4	.0	8.9	3.7	.0	.0	.0	7.6
5-6	.0	.2	4.4	.0	.0	.0	4.6
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.2	.0	.0	.0	.2
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.9	9.4	8.7	.0	.0	.0	19.0

PERIOD: (OVER-ALL) 1963-1978

FEBRUARY

AREA 0019 PITCAIRN ISLAND
25.0S 129.9W

TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

S

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	2.1	.7	.0	.0	.0	2.8
3-4	.0	.7	.0	.0	.0	.0	.7
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	2.8	.7	.0	.0	.0	3.4

SW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	1.1	.2	.0	.0	.0	1.4
3-4	.0	.0	.9	.0	.0	.0	.9
5-6	.0	.2	.0	.0	.0	.0	.2
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	1.4	1.1	.0	.0	.0	2.5

W

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.9	.7	.0	.0	.0	1.6
5-6	.0	.7	.0	.0	.0	.0	.7
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	1.6	.7	.0	.0	.0	2.3

NW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	.9	.0	.0	.0	.0	.0	.9	
1-2	.0	.9	.0	.0	.0	.0	.9	
3-4	.0	.2	.5	.0	.0	.0	.7	
5-6	.0	.0	.0	.0	.0	.0	.0	
7	.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.9	1.1	.5	.0	.0	.0	2.5	100.0

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	1.8	2.7	.0	.0	.0	.0	4.5	
1-2	.9	22.5	4.5	.0	.0	.0	27.9	
3-4	.9	24.5	22.5	.9	.0	.0	46.8	
5-6	.0	2.7	12.6	.9	.0	.0	16.2	
7	.0	.0	1.8	.9	.0	.0	2.7	
8-9	.0	.0	1.8	.0	.0	.0	1.8	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	3.6	50.5	43.2	2.7	.0	.0	100.0	111

PERIOD: (OVER-ALL) 1949-1978

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	1.7	4.6	7.5	9.8	7.5	1.7	1.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	60	5
6-7	.0	.0	3.4	8.0	9.8	9.2	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	54	6
8-9	.0	.0	1.7	4.0	4.6	2.9	1.1	1.7	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	30	8
10-11	.0	.0	.0	1.7	2.9	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	10	7
12-13	.0	.0	.0	.6	1.1	.0	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4	8
>13	.0	.0	.0	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	7
INDET	.0	.6	.0	3.4	3.4	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	15	6
TOTAL	3	9	22	48	52	26	8	4	0	2	0	0	0	0	0	0	0	0	0	174	6
PCT	1.7	5.2	12.6	27.6	29.9	14.9	4.6	2.3	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

MARCH

PERIOD: (PRIMARY) 1949-1977
(OVER-ALL) 1879-1977

AREA 0019 PITCAIRN ISLAND
25.0S 129.9W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG	DUST BLWG SNOW	NO SIG WEA
N	5.5	11.9	3.7	.0	.0	.0	.0	21.1	.0	.0	.0	.0	.0	.0	.0	78.9
NE	2.0	3.5	.0	.0	.0	.0	.0	5.6	.5	2.0	3.0	.0	.0	.0	.0	88.9
E	3.6	2.6	.0	.0	.0	.0	.0	6.1	2.8	.0	2.6	.0	.0	.0	.0	88.5
SE	3.0	7.3	.0	.0	.0	.0	.0	10.4	6.0	4.0	.0	.0	.0	.0	.0	79.6
S	.0	2.5	.0	.0	.0	.0	.0	2.5	5.0	.0	5.0	.0	.0	.0	.0	87.5
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
NW	14.7	13.2	5.9	.0	.0	.0	.0	33.8	.0	.0	5.9	.0	.0	.0	.0	60.3
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
TOT PCT	3.6	5.4	.7	.0	.0	.0	.0	9.4	2.5	1.1	2.2	.0	.0	.0	.0	84.8
TOT OBS:	276															

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG	DUST BLWG SNOW	NO SIG WEA
00&03	1.7	3.0	.0	.0	.0	.0	.0	6.7	6.7	.0	.0	.0	.0	.0	.0	86.7
06&09	3.8	6.4	.0	.0	.0	.0	.0	10.3	.0	2.6	5.1	.0	.0	.0	.0	82.1
12&15	4.6	3.1	1.5	.0	.0	.0	.0	9.2	1.5	1.5	.0	.0	.0	.0	.0	87.7
18&21	3.7	7.4	1.2	.0	.0	.0	.0	12.3	2.5	.0	3.7	.0	.0	.0	.0	81.5
TOT PCT	3.5	5.6	.7	.0	.0	.0	.0	9.9	2.5	1.1	2.5	.0	.0	.0	.0	84.2
TOT OBS:	284															

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	WIND SPEED (KNOTS)									HOUR (GMT)							
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	.3	5.9	5.5	.0	.3	.0		12.2	11.0	12.3	.0	5.1	6.5	16.7	.0	17.6	9.9
NE	1.2	10.6	6.6	.0	.0	.0		18.4	9.4	21.3	.0	24.3	17.6	19.4	.0	16.3	7.2
E	1.0	12.5	17.1	2.0	.0	.0		32.6	12.3	28.3	100.0	39.3	35.2	35.4	91.7	27.9	25.0
SE	.1	6.0	9.9	1.9	.0	.0		17.8	14.0	21.0	.0	15.8	19.4	19.4	8.3	12.2	23.7
S	.4	3.4	2.9	.3	.0	.0		7.0	10.7	6.7	.0	5.9	13.9	5.2	.0	6.7	9.2
SW	.7	1.5	.5	.0	.0	.0		2.7	7.5	4.7	.0	.4	.0	.7	.0	2.6	9.2
W	.0	1.2	.8	.0	.0	.0		2.1	11.1	1.7	.0	2.9	.0	.0	.0	4.2	2.6
NW	1.0	3.8	1.4	.0	.2	.0		6.4	8.7	4.0	.0	4.8	7.4	3.1	.0	11.2	10.5
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.8							.8	.0	.0	.0	1.5	.0	.0	.0	1.3	2.6
TOT OBS	20	163	162	15	2	0	362		11.3	75	1	68	27	72	3	78	38
TOT PCT	5.5	45.0	44.8	4.1	.6	.0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

	WIND SPEED (KNOTS)								HOUR (GMT)			
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	06 09	12 15	18 21
N	2.8	7.9	1.2	.3	.0		12.2	11.0	12.2	5.5	16.0	15.1
NE	4.9	12.2	1.4	.0	.0		18.4	9.4	21.1	22.4	18.7	13.4
E	4.9	20.2	7.4	.1	.0		32.6	12.3	29.3	38.2	37.7	26.9
SE	1.7	9.5	6.2	.4	.0		17.8	14.0	20.7	16.8	19.0	15.9
S	1.9	4.1	.9	.0	.0		7.0	10.7	6.6	8.2	5.0	7.5
SW	1.5	.8	.3	.0	.0		2.7	7.5	4.6	.3	.7	4.7
W	.6	.9	.6	.0	.0		2.1	11.1	1.6	2.1	.0	3.7
NW	2.6	3.3	.3	.2	.0		6.4	8.7	3.9	5.5	3.0	11.0
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	.8						.8	.0	.0	1.1	.0	1.7
TOT OBS	79	213	66	4	0	362		11.3	76	95	75	116
TOT PCT	21.8	58.8	18.2	1.1	.0		100.0		100.0	100.0	100.0	100.0

PERIOD: (PRIMARY) 1949-1977
(OVER-ALL) 1879-1977

AREA 0019 PITCAIRN ISLAND
25.0S 129.9W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS) 1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00&03	.0	3.9	53.9	38.2	3.9	.0	.0	11.4	100.0	76
06&09	1.1	6.3	35.8	51.6	5.3	.0	.0	11.6	100.0	95
12&15	.0	2.7	42.7	46.7	8.0	.0	.0	11.7	100.0	75
18&21	1.7	5.2	48.3	42.2	.9	1.7	.0	10.7	100.0	116
TOT	3	17	163	162	15	2	0	11.3		362
PCT	.8	4.7	45.0	44.8	4.1	.6	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	1.9	4.0	1.7	1.9		4.2
NE	7.3	6.2	3.8	.8		3.3
E	11.7	10.6	13.2	3.5		4.1
SE	1.9	5.1	8.5	1.9		5.2
S	2.7	2.5	1.1	.7		3.6
SW	.2	.3	1.0	.2		5.2
W	.4	1.2	.2	.0		2.8
NW	.9	1.0	2.0	.8		5.0
VAR	.0	.0	.0	.0		.0
CALM	.4	.0	.4	.0		4.5
TOT OBS	62	70	72	22	226	4.2
TOT PCT	27.4	31.0	31.9	9.7	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT,NH >4/8) AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

000 149	150 299	300 599	600 999	1000 1999	2000 2499	2500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	TOTAL OBS
.0	.0	.0	.3	1.3	.4	.7	.0	.0	.0	6.6	
.0	.0	.4	.1	.4	.9	.4	.0	.0	.0	15.7	
.0	.0	.9	1.4	4.5	2.0	.0	.4	.0	.0	29.8	
.0	.4	.4	2.4	3.9	1.1	.0	.0	.0	.0	9.1	
.0	.0	.0	.0	.6	.0	.0	.0	.0	.0	6.4	
.0	.0	.0	.0	.8	.0	.0	.0	.0	.0	1.0	
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.9	
.0	.0	.0	1.4	.4	.0	.2	.0	.0	.0	2.5	
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9	
0	1	4	13	27	10	3	1	0	0	167	226
.0	.4	1.8	5.8	11.9	4.4	1.3	.4	.0	.0	73.9	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) * OR >10	* OR >5	* OR >2	* OR >1	* OR >1/2	* OR >1/4	* OR >50YD	* OR >0
* OR >6500	.0	.0	.0	.0	.0	.0	.0	.0
* OR >5000	.4	.4	.4	.4	.4	.4	.4	.4
* OR >3500	1.3	1.3	1.7	1.7	1.7	1.7	1.7	1.7
* OR >2000	5.6	5.6	6.1	6.1	6.1	6.1	6.1	6.1
* OR >1000	16.0	17.3	17.7	17.7	17.7	17.7	17.7	17.7
* OR >600	19.5	22.9	23.8	23.8	23.8	23.8	23.8	23.8
* OR >300	19.9	23.8	25.5	25.5	25.5	25.5	25.5	25.5
* OR >150	19.9	23.8	25.5	26.0	26.0	26.0	26.0	26.0
* OR > 0	19.9	23.8	25.5	26.0	26.0	26.0	26.0	26.0
TOTAL	46	55	59	60	60	60	60	60

TOTAL NUMBER OF OBS: 231

PCT FREQ NH <5/8: 74.0

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8 OBSCD	TOTAL OBS
5.8	14.5	22.8	17.0	13.3	7.9	6.6	5.4	6.6	.0	241

MARCH

PERIOD: (PRIMARY) 1949-1977
(OVER-ALL) 1879-1977

AREA 0019 PITCAIRN ISLAND
25.0S 129.9W

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.4	.0	.0	.4	
	NO PCP	.0	.0	.4	.4	.0	.0	.0	.4	.0	.0	1.1	
	TOT %	.0	.0	.4	.4	.0	.0	.0	.7	.0	.0	1.4	
1<2	PCP	.0	.0	.0	.4	.0	.0	.0	.0	.0	.0	.4	
	NO PCP	.0	.0	.0	.4	.0	.0	.0	.0	.0	.0	.4	
	TOT %	.0	.0	.0	.7	.0	.0	.0	.0	.0	.0	.7	
2<5	PCP	.2	.5	1.0	.0	.0	.0	.0	.2	.0	.0	1.8	
	NO PCP	.0	.1	.3	.0	.0	.0	.0	.0	.0	.0	.4	
	TOT %	.2	.5	1.3	.0	.0	.0	.0	.2	.0	.0	2.2	
5<10	PCP	1.0	.0	.2	.2	.0	.0	.0	1.2	.0	.0	2.5	
	NO PCP	.7	1.4	4.9	3.0	1.5	.2	.0	.9	.0	.0	12.7	
	TOT %	1.7	1.4	5.1	3.2	1.5	.2	.0	2.1	.0	.0	15.2	
10+	PCP	.9	.5	1.0	1.4	.2	.0	.0	.4	.0	.0	4.3	
	NO PCP	7.1	15.4	27.8	12.5	5.5	2.1	2.1	2.8	.0	.7	76.1	
	TOT %	8.0	15.9	28.8	13.9	5.7	2.1	2.1	3.2	.0	.7	80.4	
	TOT OBS												276
	TOT PCT	9.9	17.9	35.5	18.2	7.2	2.3	2.1	6.2	.0	.7	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.4	.0		.4	
	11-21	.0	.0	.4	.0	.0	.0	.0	.4	.0		.7	
	22+	.0	.0	.0	.4	.0	.0	.0	.0	.0		.4	
	TOT %	.0	.0	.4	.4	.0	.0	.0	.7	.0	.0	1.4	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.7	.0	.0	.0	.0	.0		.7	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.7	.0	.0	.0	.0	.0	.0	.7	
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.4	.0	.0	.0	.0	.0	.0	.0		.4	
	11-21	.0	.2	1.3	.0	.0	.0	.0	.0	.0		1.4	
	22+	.2	.0	.0	.0	.0	.0	.0	.2	.0		.4	
	TOT %	.2	.5	1.3	.0	.0	.0	.0	.2	.0	.0	2.2	
5<10	0-3	.0	.4	.0	.0	.4	.0	.0	.0	.0	.0	.7	
	4-10	1.1	.5	1.8	.5	.5	.2	.0	1.6	.0		6.2	
	11-21	.6	.5	2.2	1.6	.4	.0	.0	.5	.0		5.8	
	22+	.0	.0	1.1	1.1	.4	.0	.0	.0	.0		2.5	
	TOT %	1.7	1.4	5.1	3.2	1.3	.2	.0	2.1	.0	.0	15.2	
10+	0-3	.2	1.2	1.3	.1	.0	.4	.0	.5	.0	.7	4.3	
	4-10	3.7	9.5	11.3	5.2	3.2	1.3	1.2	2.0	.0		37.3	
	11-21	4.1	5.3	14.9	7.8	2.5	.5	.9	.6	.0		36.6	
	22+	.0	.0	1.3	.9	.0	.0	.0	.0	.0		2.2	
	TOT %	8.0	15.9	28.8	13.9	5.7	2.1	2.1	3.2	.0	.7	80.4	
	TOT OBS												276
	TOT PCT	9.9	17.9	35.5	18.2	7.2	2.3	2.1	6.2	.0	.7	100.0	

PERIOD: (PRIMARY) 1949-1977
(OVER-ALL) 1879-1977

AREA 0019 PITCAIRN ISLAND
25.0S 129.9W

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00&03	.0	.0	.0	5.4	14.3	5.4	.0	1.8	.0	.0	26.8	73.2	56
06&09	.0	.0	3.4	5.2	12.1	6.9	.0	.0	.0	.0	27.6	72.4	58
12&15	.0	1.6	3.2	6.5	6.5	1.6	1.6	.0	.0	.0	21.0	79.0	62
18&21	.0	.0	.0	6.6	13.1	3.3	3.3	.0	.0	.0	26.2	73.8	61
TOT	0	1	4	14	27	10	3	1	0	0	60	177	237
PCT	.0	.4	1.7	5.9	11.4	4.2	1.3	.4	.0	.0	25.3	74.7	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00&03	.0	.0	.0	3.3	6.7	90.0	60
06&09	.0	3.8	1.3	2.6	23.1	69.2	78
12&15	.0	.0	1.5	1.5	13.8	83.1	65
18&21	.0	1.2	.0	1.2	16.0	81.5	81
TOT	0	4	2	6	44	228	284
PCT	.0	1.4	.7	2.1	15.5	80.3	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET, NH >4/8), BY HOUR

HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL OBS
00&03	.0	.0	5.6	22.2	72.2	54
06&09	.0	3.5	12.3	19.3	68.4	57
12&15	.0	4.9	11.5	9.8	78.7	61
18&21	.0	.0	8.5	18.6	72.9	59
TOT	0	5	22	40	169	231
PCT	.0	2.2	9.5	17.3	73.2	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
85/89	.0	.0	.0	.0	.3	1.0	.3	.0	5	1.7
80/84	.0	.0	.0	.0	3.5	16.0	2.8	.0	64	22.2
75/79	.0	.0	.3	.3	4.9	32.3	22.2	7.3	194	67.4
70/74	.0	.0	.0	.0	1.4	1.7	2.4	3.1	25	8.7
TOTAL	0	0	1	1	29	147	80	30	288	100.0
PCT	.0	.0	.3	.3	10.1	51.0	27.8	10.4		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
.0	.5	1.2	.0	.0	.0	.0	.0	.0	.0
4.8	5.1	6.3	1.6	.7	1.0	1.0	1.8	.0	.0
7.6	13.9	22.7	13.7	3.9	.9	1.0	3.0	.0	.7
.4	.2	2.8	2.1	2.3	.3	.0	.6	.0	.0
12.8	19.7	32.9	17.4	6.9	2.2	1.9	5.5	.0	.7

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00&03	86	85	85	79	75	70	70	79.5	77
06&09	81	80	80	78	74	71	71	77.3	95
12&15	79	78	78	77	73	70	70	76.6	79
18&21	85	84	84	79	73	71	71	79.0	115
TOT	86	85	83	78	73	71	70	78.2	366

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00&03	.0	1.4	13.0	60.9	23.2	1.4	76	69
06&09	.0	1.3	6.6	80.0	30.3	11.8	80	76
12&15	.0	.0	7.9	42.1	28.9	21.1	81	76
18&21	.0	.0	13.2	90.0	31.6	5.3	78	76
TOT	0	2	30	150	85	30	79	297

MARCH

PERIOD: (PRIMARY) 1949-1977
(OVER-ALL) 1879-1977

AREA 0019 PITCAIRN ISLAND
25.0S 129.9W

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	69 72	73 76	77 80	81 84	85 88	TOT	W FOG	WO FOG
7/8	.0	.0	.0	.4	.0	1	.0	.4
6	.0	.0	.0	.8	.0	2	.0	.8
5	.0	.0	.0	.0	.8	2	.0	.8
4	.0	.0	.4	1.7	.8	7	.0	3.0
3	.0	.4	.8	1.3	.4	7	.0	3.0
2	.0	.0	4.2	3.4	.0	18	.4	7.2
1	.0	.8	3.8	1.3	.0	14	.0	5.9
0	.0	2.1	13.1	2.1	.0	41	.0	17.3
-1	.0	2.1	17.3	.4	.0	47	1.3	18.6
-2	.0	5.1	10.5	.4	.0	38	.4	15.6
-3	.0	4.2	5.9	.0	.0	24	.4	9.7
-4	.4	5.5	1.7	.0	.0	18	.0	7.6
-5	.0	2.1	.0	.0	.0	5	.4	1.7
-6	.4	2.5	.4	.0	.0	8	.0	3.4
-7/-8	.8	1.3	.0	.0	.0	5	.0	2.1
TOTAL	4	62	138	28	5	237	7	230
PCT	1.7	26.2	58.2	11.8	2.1	100.0	3.0	97.0

PERIOD: (OVER-ALL) 1963-1977

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.6	.0	.0	.0	.0	.6
1-2	.0	1.9	.9	.0	.0	.0	2.8
3-4	.0	.0	2.1	.0	.0	.0	2.1
5-6	.0	.0	1.5	.0	.0	.0	1.5
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	2.6	4.5	.0	.0	.0	7.1

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.2	3.6	.0	.0	.0	.0	3.8
1-2	1.7	4.5	1.7	.0	.0	.0	7.9
3-4	.0	2.1	1.3	.0	.0	.0	3.4
5-6	.0	.9	1.7	.0	.0	.0	2.6
7	.0	1.7	.9	.0	.0	.0	2.6
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.9	12.8	5.6	.0	.0	.0	20.3

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.6	.0	.0	.0	.0	.0	.6
1-2	.9	10.5	2.4	.0	.0	.0	13.7
3-4	.0	4.5	11.5	1.5	.0	.0	17.5
5-6	.0	2.4	12.4	.0	.0	.0	14.7
7	.0	.0	.0	.9	.0	.0	.9
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.5	17.3	26.3	2.4	.0	.0	47.4

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	1.7	.0	.0	.0	.0	1.7
1-2	.0	2.4	.2	.0	.0	.0	2.6
3-4	.0	1.1	1.3	.2	.0	.0	2.6
5-6	.0	.2	3.8	.0	.0	.0	4.1
7	.0	.0	1.7	.9	.0	.0	2.6
8-9	.0	.0	1.7	.0	.0	.0	1.7
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.9	.0	.0	.0	.9
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	5.3	9.6	1.1	.0	.0	16.0

PERIOD: (OVER-ALL) 1963-1977 MARCH AREA 0019 PITCAIRN ISLAND

TABLE 18 (CONT) 25.0S 129.9W

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

S

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.9	.0	.0	.0	.0	.9
3-4	.0	.6	.0	.0	.0	.0	.6
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.9	.0	.0	.0	.9
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	1.5	.9	.0	.0	.0	2.4

SW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.2	.0	.0	.0	.0	.2
5-6	.0	.0	.9	.0	.0	.0	.9
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.2	.9	.0	.0	.0	1.1

W

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.9	.0	.0	.0	.0	.9
5-6	.0	.0	.9	.0	.0	.0	.9
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.9	.9	.0	.0	.0	1.7

NW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	3.0	.0	.0	.0	.0	3.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.2	.0	.0	.0	.2
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	3.0	.2	.0	.0	.0	3.2

HGT	TOTAL PCT
<1	.0
1-2	3.0
3-4	.9
5-6	.2
7	.0
8-9	.0
10-11	.0
12	.0
13-16	.0
17-19	.0
20-22	.0
23-25	.0
26-32	.0
33-40	.0
41-48	.0
49-60	.0
61-70	.0
71-86	.0
87+	.0
TOT PCT	99.1

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	1.7	6.0	.0	.0	.0	.0	7.7	
1-2	2.6	23.1	5.1	.0	.0	.0	30.8	
3-4	.0	9.4	16.2	1.7	.0	.0	27.4	
5-6	.0	3.4	21.4	.0	.0	.0	24.8	
7	.0	1.7	3.4	1.7	.0	.0	6.8	
8-9	.0	.0	1.7	.0	.0	.0	1.7	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.9	.0	.0	.0	.9	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	4.3	43.6	48.7	3.4	.0	.0	100.0	117

PERIOD: (OVER-ALL) 1949-1977 TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	1.1	4.5	9.6	6.2	4.5	.6	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	48	4
6-7	.0	.6	1.7	9.0	7.3	5.1	2.8	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	49	7
8-9	.0	.0	1.1	4.5	7.9	5.6	2.8	3.9	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	48	8
10-11	.0	.0	.0	1.7	.0	.0	1.1	.6	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7	8
12-13	.0	.0	2.8	.0	1.1	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	8	5
>13	.0	.0	.0	.0	.6	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2	9
INDET	.0	2.2	1.1	.6	1.7	2.8	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	16	6
TOTAL	2	13	29	39	41	26	14	11	3	0	0	0	0	0	0	0	0	0	0	178	6
PCT	1.1	7.3	16.3	21.9	23.0	14.6	7.9	6.2	1.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

APRIL

PERIOD: (PRIMARY) 1949-1977
(OVER-ALL) 1890-1977

AREA 0019 PITCAIRN ISLAND
25.0S 129.9W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

	PRECIPITATION TYPE									OTHER WEATHER PHENOMENA					
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG	DUST SNOW	NO SIG WEA
N	9.8	7.8	.0	.0	.0	.0	.0	17.6	.0	3.9	2.0	.0	.0		.0	76.5
NE	5.2	6.9	.0	.0	.0	.0	.0	12.1	5.2	2.3	1.1	.0	.0		.0	79.3
E	6.8	4.3	.0	.0	.0	.0	.0	11.1	5.1	.0	2.6	.0	1.7		.0	79.6
SE	1.9	2.9	.0	.0	.0	.0	.0	4.8	5.2	.0	1.0	.0	.0		.0	89.0
S	3.2	4.3	.0	.0	.0	.0	.0	7.5	12.9	.0	2.2	.0	.0		.0	77.4
SW	11.8	11.8	.0	.0	.0	.0	.0	23.5	5.9	.0	.0	.0	.0		.0	70.6
W	.0	.0	.0	.0	.0	.0	.0	.0	13.6	6.8	.0	.0	.0		.0	79.5
NW	5.6	3.7	.0	.0	.0	.0	.0	9.3	3.7	12.0	1.9	.0	.0		.0	73.1
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0
CALM	11.1	.0	.0	.0	.0	.0	.0	11.1	.0	.0	.0	.0	.0		.0	88.9
TOT PCT	5.4	4.6	.0	.0	.0	.0	.0	10.0	5.4	2.3	1.5	.0	.4		.0	80.3
TOT OBS:	259															

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

	PRECIPITATION TYPE									OTHER WEATHER PHENOMENA					
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG	DUST SNOW	NO SIG WEA
00&03	7.0	1.8	.0	.0	.0	.0	.0	8.8	12.3	.0	.0	.0	.0		.0	78.9
06&09	.0	4.5	.0	.0	.0	.0	.0	4.5	1.5	6.1	1.5	.0	1.5		.0	84.8
12&15	8.1	3.2	.0	.0	.0	.0	.0	11.3	6.5	3.2	.0	.0	.0		.0	79.0
18&21	7.5	7.5	.0	.0	.0	.0	.0	15.0	2.5	.0	3.8	.0	.0		.0	78.8
TOT PCT	5.7	4.5	.0	.0	.0	.0	.0	10.2	5.3	2.3	1.5	.0	.4		.0	80.4
TOT OBS:	265															

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	WIND SPEED (KNOTS)									HOUR (GMT)							
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	1.3	6.5	3.8	.3	.0	.0		11.9	9.8	6.2	.0	3.2	11.7	19.6	.0	22.8	2.2
NE	.6	9.5	7.3	.0	.0	.0		17.5	10.3	23.6	.0	17.9	15.0	13.0	.0	15.9	19.1
E	.9	11.8	10.0	.9	.0	.0		23.7	11.4	22.7	.0	30.6	16.7	22.1	37.5	18.1	30.1
SE	.2	9.7	7.6	1.3	.0	.0		18.8	12.0	15.8	.0	23.8	31.7	12.0	12.5	18.5	24.3
S	.6	3.8	4.1	.0	.0	.0		8.4	11.0	6.2	.0	4.0	3.3	13.0	50.0	11.2	5.9
SW	.3	1.6	.9	.6	.0	.0		3.4	11.0	4.6	.0	3.2	.0	1.4	.0	2.2	9.6
W	.0	1.4	1.5	.7	.0	.0		3.6	14.8	5.0	.0	6.0	.0	3.3	.0	1.1	4.4
NW	.2	4.6	4.2	.2	.6	.0		9.8	13.6	12.7	.0	9.9	15.0	12.7	.0	5.8	4.4
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	2.8							2.8	.0	3.1	.0	1.6	6.7	2.9	.0	4.3	.0
TOT OBS	22	155	125	13	2	0	317		11.1	65	0	63	15	69	2	69	34
TOT PCT	6.9	48.9	39.4	4.1	.6	.0		100.0		100.0	.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

	WIND SPEED (KNOTS)								HOUR (GMT)			
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	06 09	12 15	18 21
N	3.8	6.1	2.1	.0	.0		11.9	9.8	6.2	4.8	19.0	16.0
NE	3.9	11.7	2.0	.0	.0		17.5	10.3	23.8	17.3	12.7	17.0
E	5.9	12.8	4.4	.6	.0		23.7	11.4	22.7	27.9	22.5	22.1
SE	2.6	11.8	4.0	.3	.0		18.8	12.0	15.8	25.3	12.0	20.4
S	1.7	4.9	1.9	.0	.0		8.4	11.0	6.2	3.8	14.1	9.5
SW	1.3	1.2	.9	.0	.0		3.4	11.0	4.6	2.6	1.4	4.6
W	.6	1.4	1.4	.2	.0		3.6	14.8	5.0	4.8	3.2	2.2
NW	2.1	5.0	2.0	.4	.3		9.8	13.6	12.7	10.9	12.3	5.3
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	2.8						2.8	.0	3.1	2.6	2.8	2.9
TOT OBS	78	174	59	5	1	317		11.1	65	78	71	103
TOT PCT	24.6	54.9	18.6	1.6	.3		100.0		100.0	100.0	100.0	100.0

APRIL

PERIOD: (PRIMARY) 1949-1977
(OVER-ALL) 1890-1977

AREA 0019 PITCAIRN ISLAND
25.0S 129.9W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS) 1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00&03	3.1	.0	52.3	40.0	4.6	.0	.0	11.6	100.0	65
06&09	2.6	7.7	43.6	39.7	5.1	1.3	.0	11.3	100.0	78
12&15	2.8	7.0	50.7	36.6	2.8	.0	.0	10.3	100.0	71
18&21	2.9	1.9	49.5	40.8	3.9	1.0	.0	11.2	100.0	103
TOT	9	13	155	125	13	2	0	11.1		317
PCT	2.8	4.1	48.9	39.4	4.1	.6	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	2.9	2.4	2.3	2.2		4.8
NE	5.2	4.1	6.6	.8		3.6
E	9.4	5.3	6.4	2.8		3.8
SE	6.6	5.9	4.2	2.4		3.9
S	1.9	3.8	2.8	.9		4.2
SW	.6	1.2	.7	.1		4.2
W	.8	.8	.8	1.4		5.2
NW	2.8	2.4	3.1	2.8		4.8
VAR	.0	.0	.0	.0		.0
CALM	.9	.9	1.4	.0		4.0
TOT OBS	67	58	61	29	215	4.1
TOT PCT	31.2	27.0	28.4	13.5	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT,NH >4/8) AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

WND DIR	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	TOTAL OBS
N	.0	.0	.5	.3	1.4	.3	.0	.0	.2	.0	7.1	
NE	.0	.0	.0	.5	3.1	1.0	.0	.0	.0	.0	12.1	
E	.0	.0	.3	.7	3.7	1.2	.5	.0	.0	.0	17.6	
SE	.0	.0	.1	1.2	2.6	.2	.5	.0	.0	.0	14.7	
S	.0	.0	.0	.5	.3	.5	.0	.0	.0	.0	8.1	
SW	.0	.0	.0	.0	.0	.1	.0	.0	.5	.0	2.0	
W	.0	.0	.0	1.0	.3	.3	.0	.0	.0	.0	2.1	
NW	.0	.5	.5	.5	1.0	.0	.5	.0	.2	.0	8.0	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.0	.0	.0	.9	.5	.0	.0	.0	.0	1.9	
TOT OBS	0	1	3	10	29	9	3	0	2	0	158	215
TOT PCT	.0	.5	1.4	4.7	13.5	4.2	1.4	.0	.9	.0	73.5	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) * OR >10	* OR >5	* OR >2	* OR >1	* OR >1/2	* OR >1/4	* OR >50YD	* OR >0
* OR >6500	.9	.9	.9	.9	.9	.9	.9	.9
* OR >5000	.9	.9	.9	.9	.9	.9	.9	.9
* OR >3500	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
* OR >2000	5.9	6.4	6.4	6.4	6.4	6.4	6.4	6.4
* OR >1000	16.4	20.0	20.0	20.0	20.0	20.0	20.0	20.0
* OR >600	19.1	24.5	25.0	25.0	25.0	25.0	25.0	25.0
* OR >300	19.1	25.5	25.9	25.9	25.9	26.4	26.4	26.4
* OR >150	19.1	25.9	26.4	26.4	26.4	26.8	26.8	26.8
* OR > 0	19.1	25.9	26.4	26.4	26.4	26.8	26.8	26.8
TOTAL	42	57	58	58	58	59	59	59

TOTAL NUMBER OF OBS: 220

PCT FREQ NH <5/8: 73.2

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8 OBSCD	TOTAL OBS
4.0	16.4	23.9	13.7	15.0	5.8	4.4	5.3	11.5 .0	226

APRIL

PERIOD: (PRIMARY) 1949-1977
(OVER-ALL) 1890-1977

AREA 0019 PITCAIRN ISLAND
25.05 129.9W

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.4	.0	.0	.4	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.4	.0	.0	.4	
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	PCP	.0	.0	.0	.0	.0	.4	.0	.0	.0	.0	.4	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.4	.0	.0	.0	.0	.4	
2<5	PCP	.2	.0	.2	.2	.0	.0	.0	.2	.0	.0	.8	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.2	.0	.2	.2	.0	.0	.0	.2	.0	.0	.8	
5<10	PCP	.4	.9	1.2	.4	.7	.4	.0	.0	.0	.0	3.9	
	NO PCP	1.1	2.5	1.7	3.1	.4	.0	1.0	1.1	.0	.4	11.2	
	TOT %	1.4	3.4	2.9	3.5	1.1	.4	1.0	1.1	.0	.4	15.1	
10+	PCP	1.2	1.2	1.2	.4	.0	.0	.0	.4	.0	.4	4.6	
	NO PCP	7.0	12.3	18.4	16.2	7.9	2.5	3.3	8.4	.0	2.7	78.8	
	TOT %	8.2	13.4	19.6	16.6	7.9	2.5	3.3	8.8	.0	3.1	83.4	
	TOT OBS												259
	TOT PCT	9.8	16.8	22.7	20.3	9.0	3.3	4.2	10.4	.0	3.5	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.4	.0		.4	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.4	.0	.0	.4	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.4	.0	.0	.0		.4	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.4	.0	.0	.0	.0	.4	
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.2	.0	.0	.0	.0	.0	.0	.2	.0		.4	
	22+	.0	.0	.2	.2	.0	.0	.0	.0	.0		.4	
	TOT %	.2	.0	.2	.2	.0	.0	.0	.2	.0	.0	.8	
5<10	0-3	.2	.0	.0	.0	.0	.0	.0	.2	.0	.4	.8	
	4-10	.5	1.2	1.4	1.9	.6	.0	.4	.3	.0		6.2	
	11-21	.8	2.2	1.5	1.2	.5	.4	.0	.0	.0		6.6	
	22+	.0	.0	.0	.4	.0	.0	.6	.6	.0		1.5	
	TOT %	1.4	3.4	2.9	3.5	1.1	.4	1.0	1.1	.0	.4	15.1	
10+	0-3	.8	.6	.6	.1	.7	.4	.0	.0	.0	3.1	6.2	
	4-10	5.0	7.8	9.7	8.8	3.3	1.2	1.4	4.2	.0		41.3	
	11-21	2.4	5.0	8.7	6.9	4.0	.6	1.6	4.4	.0		33.6	
	22+	.0	.0	.7	.9	.0	.4	.3	.1	.0		2.3	
	TOT %	8.2	13.4	19.6	16.6	7.9	2.5	3.3	8.8	.0	3.1	83.4	
	TOT OBS												259
	TOT PCT	9.8	16.8	22.7	20.3	9.0	3.3	4.2	10.4	.0	3.5	100.0	

APRIL

PERIOD: (PRIMARY) 1949-1977
(OVER-ALL) 1890-1977

AREA 0019 PITCAIRN ISLAND
25.0S 129.9W

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET,NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00&03	.0	.0	.0	3.5	15.8	3.5	.0	.0	.0	.0	22.8	77.2	57
06&09	.0	1.9	.0	5.8	13.5	1.9	1.9	.0	1.9	.0	26.9	73.1	52
12&15	.0	.0	1.8	1.8	10.7	3.6	3.6	.0	1.8	.0	23.2	76.8	56
18&21	.0	.0	3.4	8.5	13.6	6.8	.0	.0	.0	.0	32.2	67.8	59
TOT	0	1	3	11	30	9	3	0	2	0	59	165	224
PCT	.0	.4	1.3	4.9	13.4	4.0	1.3	.0	.9	.0	26.3	73.7	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00&03	.0	.0	.0	.0	7.0	93.0	57
06&09	.0	.0	.0	1.5	19.7	78.8	66
12&15	.0	.0	.0	.0	8.1	91.9	62
18&21	1.3	.0	1.3	1.3	21.3	75.0	80
TOT	1	0	1	2	39	222	265
PCT	.4	.0	.4	.8	14.7	83.8	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET,NH >4/8),BY HOUR

HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL OBS
00&03	.0	.0	3.6	19.6	76.8	56
06&09	.0	1.9	7.7	19.2	73.1	52
12&15	.0	1.9	3.7	20.4	75.9	54
18&21	.0	3.4	12.1	20.7	67.2	58
TOT	0	4	15	44	161	220
PCT	.0	1.8	6.8	20.0	73.2	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
80/84	.0	.0	.0	.0	1.1	6.0	1.9	.0	24	9.0
75/79	.0	.0	.4	2.2	9.3	23.9	19.8	9.7	175	65.3
70/74	.0	.0	.0	1.5	4.5	6.7	5.6	6.7	67	25.0
65/69	.0	.0	.0	.0	.4	.4	.0	.0	2	.7
TOTAL	0	0	1	10	41	99	73	44	268	100.0
PCT	.0	.0	.4	3.7	15.3	36.9	27.2	16.4		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
1.3	3.3	1.3	.0	.3	.1	.3	1.7	.0	.7
8.1	13.5	14.5	10.4	3.6	2.0	3.5	7.4	.0	2.2
2.8	1.4	6.5	6.8	5.0	.5	.3	1.7	.0	.0
.0	.0	.0	.0	.4	.4	.0	.0	.0	.0
12.2	18.2	22.3	17.3	9.3	2.9	4.1	10.7	.0	3.0

TABLE 15

MEANS,EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00&03	83	82	81	77	73	72	72	77.3	67
06&09	79	78	78	75	72	68	68	75.2	77
12&15	79	78	78	75	71	70	70	74.9	73
18&21	83	82	81	77	73	69	69	77.0	104
TOT	83	82	80	76	72	70	68	76.2	321

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00&03	.0	4.5	13.6	47.0	27.3	7.6	77	66
06&09	.0	.0	20.6	33.8	29.4	16.2	79	68
12&15	.0	4.5	9.1	30.3	31.8	24.2	81	66
18&21	.0	6.7	18.7	36.0	22.7	16.0	77	75
TOT	0	11	43	101	76	44	78	275

APRIL

PERIOD: (PRIMARY) 1949-1977
(OVER-ALL) 1890-1977

AREA 0019 PITCAIRN ISLAND
25.0S 129.9W

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	65 68	69 72	73 76	77 80	81 84	TOT	W FOG	WO FOG
6	.0	.0	.5	.0	.5	2	.0	.9
5	.0	.0	.0	.0	.9	2	.0	.9
4	.0	.0	.5	.0	.9	3	.0	1.4
3	.0	.0	.5	1.4	.0	4	.0	1.9
2	.0	.0	.9	.5	.5	4	.0	1.9
1	.0	.0	.9	6.1	.9	17	.0	7.9
0	.0	.5	3.3	6.5	.5	23	1.4	9.3
-1	.0	.0	10.3	7.9	.0	39	.5	17.8
-2	.0	.0	9.3	8.4	.0	38	.0	17.8
-3	.0	.5	10.7	4.2	.0	33	.0	15.4
-4	.0	1.9	4.7	2.8	.0	20	.0	9.3
-5	.0	1.4	2.8	.9	.0	11	.0	5.1
-6	.0	.9	2.8	.0	.0	8	.0	3.7
-7/-8	.5	.9	2.3	.0	.0	8	.0	3.7
-9/-10	.0	.5	.5	.0	.0	2	.0	.9
TOTAL	1	14	107	83	9	214	4	210
PCT	.5	6.5	50.0	38.8	4.2	100.0	1.9	98.1

PERIOD: (OVER-ALL) 1963-1977

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.8	.0	.0	.0	.0	.8
1-2	.0	3.7	.0	.0	.0	.0	3.7
3-4	.0	.6	.8	.0	.0	.0	1.4
5-6	.0	.0	1.9	.0	.0	.0	1.9
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	5.2	2.7	.0	.0	.0	7.9

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	1.7	.0	.0	.0	.0	1.7
1-2	.8	2.9	3.3	.0	.0	.0	7.0
3-4	.0	1.9	.0	.0	.0	.0	1.9
5-6	.0	.0	.8	.0	.0	.0	.8
7	.0	.0	1.0	.0	.0	.0	1.0
8-9	.0	.0	.2	.0	.0	.0	.2
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.8	6.4	5.4	.0	.0	.0	12.6

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.8	1.7	.0	.0	.0	.0	2.5
1-2	.0	3.5	2.1	.0	.0	.0	5.6
3-4	.0	3.5	3.7	.8	.0	.0	8.1
5-6	.0	.6	2.9	.0	.0	.0	3.5
7	.0	.0	1.4	.0	.0	.0	1.4
8-9	.0	.0	.6	.0	.0	.0	.6
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.8	.0	.0	.0	.0	.8
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.8	10.1	10.7	.8	.0	.0	22.5

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	4.5	2.1	.0	.0	.0	6.6
3-4	.0	3.9	3.7	.0	.0	.0	7.6
5-6	.0	2.1	2.5	.0	.0	.0	4.5
7	.0	.0	1.7	.0	.0	.0	1.7
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.8	.0	.0	.8
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	10.5	9.9	.8	.0	.0	21.3

PERIOD: (OVER-ALL) 1963-1977 APRIL AREA 0019 PITCAIRN ISLAND

TABLE 18 (CONT) 25.0S 129.9W

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

	S							SW						
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0	.8	.8	.0	.0	.0	.0	1.7
1-2	.0	1.2	.0	.0	.0	.0	1.2	.0	.4	.0	.0	.0	.0	.4
3-4	.0	.6	2.5	.0	.0	.0	3.1	.0	.2	.0	.0	.0	.0	.2
5-6	.0	.6	2.9	.0	.0	.0	3.5	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0	.0	.2
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	2.5	5.4	.0	.0	.0	7.9	.8	1.4	.2	.0	.0	.0	2.5

	W							NW							TOTAL
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	PCT
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1-2	.0	1.2	.0	.0	.0	.0	1.2	.0	3.9	.0	.0	.0	.0	3.9	
3-4	.0	.8	.0	.0	.0	.0	.8	.0	.8	1.7	.0	.0	.0	2.5	
5-6	.0	.0	1.4	.0	.0	.0	1.4	.0	1.7	3.3	.0	.0	.0	5.0	
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.7	.0	.0	.0	1.7	
8-9	.0	.0	.6	.6	.0	.0	1.2	.0	.0	.0	.2	.0	.0	.2	
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	.0	.8	
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	.0	.8	
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.0	2.1	2.1	.6	.0	.0	4.8	.0	6.4	6.6	.2	1.7	.0	14.9	94.2

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	8.1	4.9	.0	.0	.0	.0	13.0	
1-2	.8	22.0	7.3	.0	.0	.0	30.1	
3-4	.0	12.2	12.2	.8	.0	.0	25.2	
5-6	.0	4.9	15.4	.0	.0	.0	20.3	
7	.0	.0	5.7	.0	.0	.0	5.7	
8-9	.0	.0	1.6	.8	.0	.0	2.4	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.8	.8	.0	1.6	
13-16	.0	.0	.0	.0	.8	.0	.8	
17-19	.0	.8	.0	.0	.0	.0	.8	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	8.9	44.7	42.3	2.4	1.6	.0	100.0	123

PERIOD: (OVER-ALL) 1949-1977 TABLE 19

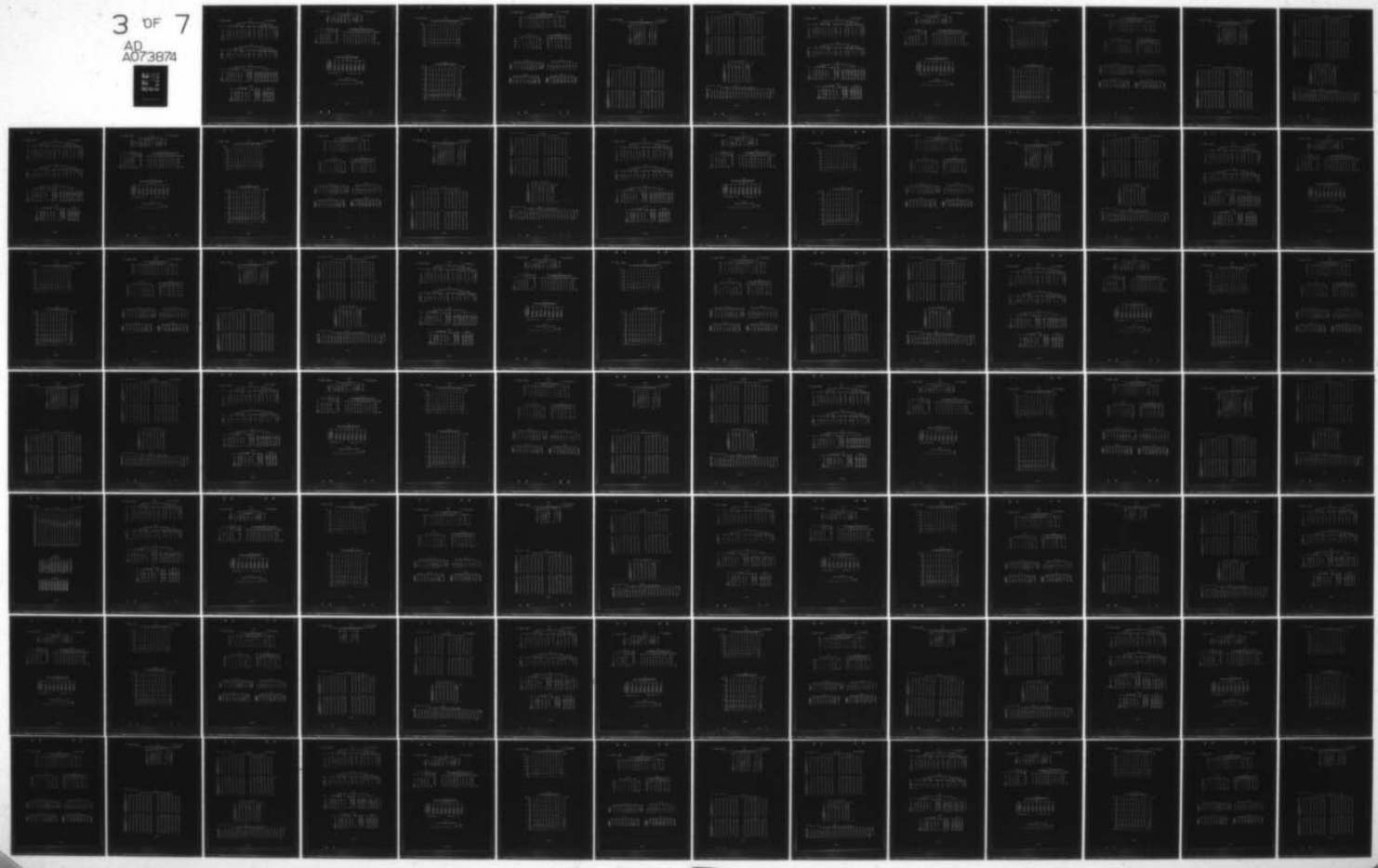
PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

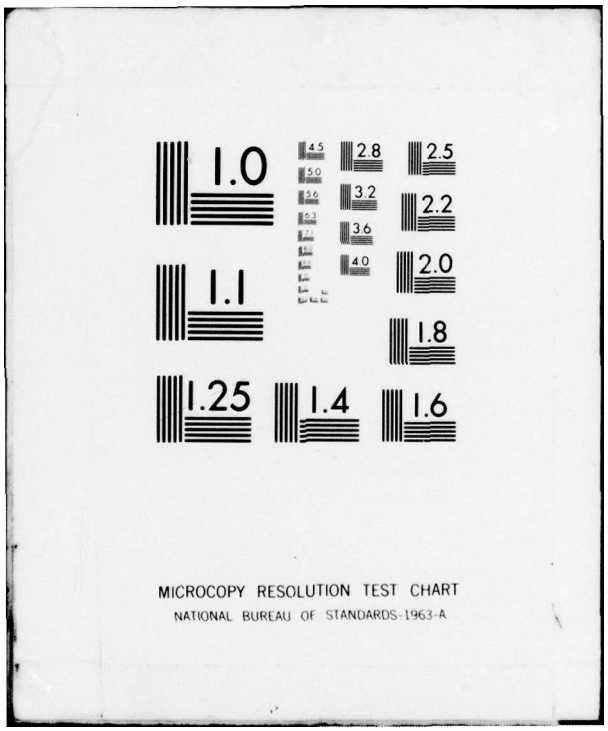
PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	.6	3.9	7.3	6.7	2.8	3.4	.0	.6	.6	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	47	5
6-7	.0	.0	3.4	9.0	6.7	4.5	2.2	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	47	6
8-9	.0	.6	1.7	6.2	5.1	2.8	3.4	1.1	2.8	.6	1.1	.0	.0	.0	.0	.0	.0	.0	.0	45	8
10-11	.0	.0	.6	1.1	.6	3.4	1.7	1.1	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	16	8
12-13	.0	.0	2.2	.6	.6	.0	.6	.6	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	9	6
>13	.0	.0	.0	1.1	.0	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3	7
INDET	1.1	.6	.6	1.1	.6	.0	.6	.6	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	11	6
TOTAL	3	9	28	46	29	25	16	7	11	2	2	0	0	0	0	0	0	0	0	178	7
PCT	1.7	5.1	15.7	25.8	16.3	14.0	9.0	3.9	6.2	1.1	1.1	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

AD-A073 874 NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE N C F/G 4/2
SUMMARY OF SYNOPTIC METEOROLOGICAL OBSERVATIONS (SSMO) SELECTED--ETC(U)
SEP 79

UNCLASSIFIED NL

3 OF 7
AD
A073874




1.0
1.1
1.25
1.4
1.6
1.8
2.0
2.2
2.5
2.8
3.2
3.6
4.0
4.5
5.0
5.6
6.3
7.1
MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS-1963-A

MAY

PERIOD: (PRIMARY) 1950-1977
(OVER-ALL) 1864-1977

AREA 0019 PITCAIRN ISLAND
24.8S 130.0W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
N	4.6	.0	.0	.0	.0	.0	.0	4.6	2.3	.0	2.3	.0	.0	.0	.0	90.8
NE	4.1	.5	.0	.0	.0	.0	.0	4.6	4.1	2.1	2.1	.0	.0	.0	.0	87.1
E	.0	6.7	.0	.0	.0	.0	.0	6.7	8.1	.0	.7	.0	.0	.0	.0	84.4
SE	1.3	6.7	.0	.0	.0	.0	.0	8.0	3.2	.3	.0	.0	.0	.0	.0	88.5
S	.0	3.1	.0	.0	.0	.0	.0	3.1	.0	2.4	.0	.0	.0	.0	.0	94.6
SW	.8	9.1	.8	.0	.0	.0	.0	10.6	3.0	.0	6.1	.0	.0	.0	.0	80.3
W	7.4	6.6	2.5	.0	.0	.0	.0	16.5	9.9	5.8	.0	.0	.0	.0	.0	67.8
NW	4.0	10.6	.0	.0	.0	.0	.0	14.6	5.3	.7	2.6	.0	.0	.0	.0	76.8
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
TOT PCT	2.0	5.5	.2	.0	.0	.0	.0	7.7	5.1	.9	1.3	.0	.0	.0	.0	85.0
TOT OBS:	452															

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
00&03	2.9	2.9	.0	.0	.0	.0	.0	5.8	7.8	.0	.0	.0	.0	.0	.0	86.4
06&09	.8	8.5	.8	.0	.0	.0	.0	10.1	3.9	.8	.8	.0	.0	.0	.0	84.5
12&15	.9	4.6	.0	.0	.0	.0	.0	5.6	6.5	2.8	.0	.0	.0	.0	.0	85.2
18&21	3.9	6.3	.0	.0	.0	.0	.0	10.2	3.1	.0	3.9	.0	.0	.0	.0	82.7
TOT PCT	2.1	5.8	.2	.0	.0	.0	.0	8.1	5.1	.9	1.3	.0	.0	.0	.0	84.6
TOT OBS:	467															

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	WIND SPEED (KNOTS)									HOUR (GMT)						
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	1.0	4.3	3.8	.8	.0	.1		10.0	11.4	14.5	.0	6.9	5.0	11.6	.0	12.6	10.3
NE	.6	5.6	4.7	1.1	.0	.0		12.0	11.9	10.0	5.6	12.0	14.4	12.6	5.3	18.0	6.9
E	.6	4.8	8.3	11.8	3.3	.2		29.1	21.3	27.9	56.9	23.1	41.9	22.4	55.3	22.6	35.8
SE	.2	6.2	6.9	3.4	.2	.0		16.8	15.0	15.3	20.8	24.7	8.8	17.9	14.5	8.6	22.8
S	.3	3.0	3.4	.1	.0	.0		6.9	11.1	5.3	5.6	9.6	4.4	7.4	9.2	5.9	7.3
SW	.6	3.7	2.8	.8	.0	.0		7.9	11.1	10.5	5.6	5.3	10.6	4.7	10.5	12.4	3.9
W	.4	3.6	2.9	.7	.0	.0		7.5	11.6	8.2	.0	4.3	11.3	13.2	5.3	8.3	1.7
NW	.2	2.7	4.1	1.1	.0	.1		8.2	13.2	7.4	5.6	12.0	3.8	7.1	.0	9.4	9.5
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	1.8							1.8	.0	1.1	.0	2.1	.0	3.2	.0	2.2	1.7
TOT OBS	29	173	189	101	18	2	512		14.9	95	18	94	40	95	19	93	58
TOT PCT	5.7	33.8	36.9	19.7	3.5	.4		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

	WIND SPEED (KNOTS)								HOUR (GMT)			
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	06 09	12 15	18 21
N	2.3	6.4	.9	.2	.1		10.0	11.4	12.2	6.3	9.6	11.8
NE	2.4	6.6	3.0	.0	.0		12.0	11.9	9.3	12.7	11.4	13.7
E	2.3	8.4	9.4	8.7	.2		29.1	21.3	22.5	28.7	27.9	27.6
SE	1.6	9.7	3.6	1.9	.0		16.8	15.0	16.2	20.0	17.3	14.1
S	1.2	4.8	.7	.1	.0		6.9	11.1	5.3	8.0	7.7	6.5
SW	2.2	4.5	1.2	.0	.0		7.9	11.1	9.7	6.9	5.7	9.1
W	1.7	4.3	1.4	.1	.0		7.5	11.6	6.9	6.3	11.8	5.8
NW	1.2	5.6	1.3	*	.1		8.2	13.2	7.1	9.5	5.9	9.4
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	1.8						1.8	.0	.9	1.5	2.6	2.0
TOT OBS	85	258	110	57	2	512		14.9	113	134	114	151
TOT PCT	16.6	50.4	21.5	11.1	.4		100.0		100.0	100.0	100.0	100.0

PERIOD: (PRIMARY) 1950-1977
(OVER-ALL) 1864-1977

AREA 0019 PITCAIRN ISLAND
24.8S 130.0W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS) 1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00&03	.9	4.4	27.4	38.1	23.9	5.3	.0	16.2	100.0	113
06&09	1.5	3.0	38.1	35.1	18.7	3.0	.7	14.9	100.0	134
12&15	2.6	5.3	36.0	35.1	17.5	3.5	.0	13.9	100.0	114
18&21	2.0	3.3	33.1	39.1	19.2	2.6	.7	14.5	100.0	151
TOT	9	20	173	189	101	18	2	14.9		512
PCT	1.8	3.9	33.8	36.9	19.7	3.5	.4		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	2.7	1.7	4.3	.6		4.3
NE	2.1	3.1	1.9	2.6		4.5
E	3.4	9.5	13.4	6.3		5.1
SE	2.0	5.6	7.8	2.3		4.8
S	1.8	3.0	2.0	.4		3.5
SW	.5	1.1	4.0	1.7		5.7
W	1.8	1.2	1.5	2.0		5.1
NW	1.9	1.4	3.9	1.0		4.7
VAR	.0	.0	.0	.0		.0
CALM	.0	1.0	.8	.0		4.8
TOT OBS	64	109	156	67	396	4.8
TOT PCT	16.2	27.5	39.4	16.9	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT,NH >4/8) AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

WND DIR	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	TOTAL OBS
N	.0	.0	.3	.8	.5	.4	.0	.0	.0	.3	7.0	
NE	.0	.0	.3	.7	1.5	.0	.6	.0	.0	.0	6.6	
E	.0	.0	.0	.7	5.4	3.6	.1	.0	.0	.0	22.7	
SE	.0	.0	.0	.5	3.5	1.2	.5	.0	.0	.0	11.9	
S	.0	.0	.0	.0	.9	.4	.0	.0	.0	.0	5.9	
SW	.0	.0	.0	.3	1.3	.6	.3	.0	.0	.0	4.9	
W	.0	.3	.0	.4	.6	.9	.0	.0	.0	.3	4.0	
NW	.0	.0	.3	.6	1.1	.2	.0	.0	.0	.3	5.7	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.0	.0	.3	.3	.0	.0	.0	.0	.0	1.3	
TOT OBS	0	1	3	17	60	29	6	0	0	3	277	396
TOT PCT	.0	.3	.8	4.3	15.2	7.3	1.5	.0	.0	.8	69.9	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) = OR >10	= OR >5	= OR >2	= OR >1	= OR >1/2	= OR >1/4	= OR >50YD	= OR >0
= OR >6500	.7	.7	.7	.7	.7	.7	.7	.7
= OR >5000	.7	.7	.7	.7	.7	.7	.7	.7
= OR >3500	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
= OR >2000	6.7	9.4	9.4	9.9	9.9	9.9	9.9	9.9
= OR >1000	16.7	24.1	24.9	25.4	25.4	25.4	25.4	25.4
= OR >600	19.5	28.1	29.1	29.6	29.6	29.6	29.6	29.6
= OR >300	19.7	28.3	29.3	30.0	30.3	30.3	30.3	30.3
= OR >150	19.7	28.6	29.6	30.3	30.5	30.5	30.5	30.5
= OR > 0	19.7	28.6	29.6	30.3	30.5	30.5	30.5	30.5
TOTAL	80	116	120	123	124	124	124	124

TOTAL NUMBER OF OBS: 406

PCT FREQ NH <5/8: 69.5

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8 OBSCD	TOTAL OBS
2.7	10.4	18.6	21.5	16.5	7.5	6.3	6.1	10.4	.0	413

MAY

PERIOD: (PRIMARY) 1950-1977
(OVER-ALL) 1864-1977

AREA 0019 PITCAIRN ISLAND
24.8S 130.0W

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0	.2	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0	.2	
1<2	PCP	.2	.0	.0	.0	.0	.1	.3	.1	.0	.0	.7	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0	.2	
	TOT %	.2	.0	.0	.0	.0	.1	.3	.3	.0	.0	.9	
2<5	PCP	.0	.0	.6	.1	.0	.1	.4	.2	.0	.0	1.3	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.6	.1	.0	.1	.4	.2	.0	.0	1.3	
5<10	PCP	.2	.1	1.5	.9	.2	.0	.2	.4	.0	.0	3.5	
	NO PCP	1.3	1.9	7.5	2.2	.4	1.0	1.1	.6	.0	.2	16.2	
	TOT %	1.5	1.9	9.0	3.1	.6	1.0	1.3	1.1	.0	.2	19.7	
10+	PCP	.0	.4	.0	.4	.0	.7	.2	.4	.0	.0	2.2	
	NO PCP	7.8	8.4	21.7	13.8	6.6	5.5	4.5	6.1	.0	1.3	75.7	
	TOT %	7.8	8.8	21.7	14.2	6.6	6.2	4.8	6.5	.0	1.3	77.9	
	TOT OBS												452
	TOT PCT	9.6	10.7	31.3	17.4	7.2	7.3	6.7	8.4	.0	1.5	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.2	.0		.2	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0	.2	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.1	.2	.0	.0		.2	
	11-21	.2	.0	.0	.0	.0	.0	.1	.3	.0		.7	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.2	.0	.0	.0	.0	.1	.3	.3	.0	.0	.9	
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.2	.0	.0		.2	
	11-21	.0	.0	.0	.0	.0	.1	.2	.0	.0		.2	
	22+	.0	.0	.6	.1	.0	.0	.0	.2	.0		.9	
	TOT %	.0	.0	.6	.1	.0	.1	.4	.2	.0	.0	1.3	
5<10	0-3	.0	.0	.0	.0	.0	.2	.0	.0	.0	.2	.4	
	4-10	.4	1.0	1.0	.9	.4	.3	.3	.4	.0		4.9	
	11-21	.7	.9	1.4	.8	.2	.4	.8	.3	.0		5.5	
	22+	.4	.0	6.6	1.4	.0	.0	.2	.3	.0		8.8	
	TOT %	1.5	1.9	9.0	3.1	.6	1.0	1.3	1.1	.0	.2	19.7	
10+	0-3	.7	.6	.5	.2	.4	.3	.2	.2	.0	1.3	4.4	
	4-10	3.9	4.1	4.3	5.5	2.8	2.6	2.1	2.2	.0		27.4	
	11-21	3.0	3.2	6.9	6.5	3.3	2.7	1.8	3.4	.0		30.8	
	22+	.2	.9	10.1	1.9	.1	.7	.6	.7	.0		15.3	
	TOT %	7.8	8.8	21.7	14.2	6.6	6.2	4.8	6.5	.0	1.3	77.9	
	TOT OBS												452
	TOT PCT	9.6	10.7	31.3	17.4	7.2	7.3	6.7	8.4	.0	1.5	100.0	

PERIOD: (PRIMARY) 1950-1977
(OVER-ALL) 1864-1977

AREA 0019 PITCAIRN ISLAND
24.8S 130.0W

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET,NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00&03	.0	.0	1.0	5.0	15.8	8.9	1.0	.0	.0	.0	31.7	68.3	101
06&09	.0	.0	.9	5.6	16.8	4.7	1.9	.0	.0	1.9	31.8	68.2	107
12&15	.0	.9	.0	2.8	15.1	6.6	1.9	.0	.0	.9	28.3	71.7	106
18&21	.0	.0	1.0	3.1	13.3	9.2	2.0	.0	.0	.0	28.6	71.4	98
TOT	0	1	3	17	63	30	7	0	0	3	124	288	412
PCT	.0	.2	.7	4.1	15.3	7.3	1.7	.0	.0	.7	30.1	69.9	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00&03	.0	.0	1.0	1.0	10.7	87.4	103
06&09	.0	.8	1.6	2.3	20.9	74.4	129
12&15	.0	.0	.0	.0	21.3	78.7	108
18&21	.0	.0	.8	1.6	25.2	72.4	127
TOT	0	1	4	6	93	363	467
PCT	.0	.2	.9	1.3	19.9	77.7	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET,NH >4/8), BY HOUR

HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL OBS
00&03	.0	1.0	7.0	25.0	68.0	100
06&09	.0	.9	10.4	22.6	67.0	106
12&15	.0	1.0	3.9	25.2	70.9	103
18&21	.0	1.0	6.2	23.7	70.1	97
TOT	0	4	28	98	280	406
PCT	.0	1.0	6.9	24.1	69.0	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
80/84	.0	.0	.0	.0	.0	1.3	.4	.0	8	1.8
75/79	.0	.0	.0	1.3	2.9	10.8	13.6	5.1	154	33.8
70/74	.0	.0	.0	4.0	14.3	24.2	15.4	4.4	283	62.2
65/69	.0	.0	.0	.0	1.1	.7	.4	.0	10	2.2
TOTAL	0	0	0	24	83	168	137	43	455	100.0
PCT	.0	.0	.0	5.3	18.2	36.9	30.1	9.5		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
.1	.7	.0	.0	.0	.0	.0	1.0	.0	.0
8.4	6.6	5.4	2.3	1.3	2.3	2.3	4.8	.0	.4
1.3	4.3	23.6	13.9	5.3	5.7	4.7	2.3	.0	1.1
.0	.0	.4	.7	1.1	.0	.0	.0	.0	.0
9.8	11.6	29.5	16.9	7.7	8.0	6.9	8.1	.0	1.5

TABLE 15

MEANS,EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00&03	81	80	79	74	71	70	70	74.6	114
06&09	79	78	77	73	69	67	66	73.3	141
12&15	77	76	76	73	70	68	68	73.5	118
18&21	83	82	79	75	70	68	68	74.6	153
TOT	83	80	78	74	70	68	66	74.0	526

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00&03	.0	8.8	25.7	36.3	19.5	9.7	74	113
06&09	.0	3.3	18.7	32.5	30.9	14.6	78	123
12&15	.0	2.7	15.2	36.6	37.5	8.0	78	112
18&21	.0	5.8	14.9	40.5	31.4	7.4	77	121
TOT	0	24	87	171	140	47	77	469

MAY

PERIOD: (PRIMARY) 1950-1977
(OVER-ALL) 1864-1977

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24.8S 130.0W

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	65 68	69 72	73 76	77 80	81 84	TOT	W FOG	WO FOG
17/19	.0	.0	.0	.0	.2	1	.0	.2
14/16	.0	.0	.0	.0	.2	1	.0	.2
6	.0	.0	.0	.2	.0	1	.0	.2
5	.0	.0	.0	.5	.2	3	.0	.7
4	.0	.0	.5	.2	.2	4	.0	1.0
3	.0	.0	1.0	.2	.2	6	.2	1.2
2	.0	.0	.2	2.2	.0	10	.2	2.2
1	.0	.0	2.2	1.4	.0	15	.2	3.3
0	.0	.2	4.5	5.3	.2	43	.0	10.3
-1	.0	1.0	13.2	2.2	.0	68	.2	16.0
-2	.0	2.4	17.9	1.2	.0	90	.5	21.1
-3	.0	6.0	11.2	.0	.0	72	.0	17.2
-4	.2	7.2	5.3	.2	.0	54	.0	12.9
-5	.2	4.8	.7	.0	.0	24	.0	5.7
-6	.2	1.4	1.0	.0	.0	11	.0	2.6
-7/-8	1.0	1.4	.2	.0	.0	11	.0	2.6
-9/-10	.0	.5	.0	.0	.0	2	.0	.5
-11/-13	.2	.0	.2	.0	.0	2	.0	.5
TOTAL	8	104	243	57	6	418	6	412
PCT	1.9	24.9	58.2	13.6	1.4	100.0	1.4	98.6

PERIOD: (OVER-ALL) 1964-1977

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.4	.0	.0	.0	.0	.4
1-2	.3	2.5	.6	.0	.0	.0	3.4
3-4	.0	.6	3.3	.0	.0	.0	3.9
5-6	.0	.4	.5	.4	.0	.0	1.3
7	.0	.0	.3	.0	.0	.0	.3
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.3	3.9	4.7	.4	.0	.0	9.2

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.1	.0	.0	.0	.0	.0	.1
1-2	.1	2.7	.8	.0	.0	.0	3.6
3-4	.0	.1	1.2	.7	.0	.0	2.0
5-6	.0	1.4	1.1	.1	.0	.0	2.6
7	.0	.0	.1	.0	.0	.0	.1
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.2	4.3	3.2	.8	.0	.0	8.4

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.6	.0	.0	.0	.0	.0	.6
1-2	.0	1.4	1.5	.0	.0	.0	2.9
3-4	.0	1.7	.7	.0	.0	.0	2.4
5-6	.0	.0	1.8	7.4	.4	.0	9.6
7	.0	.0	3.7	18.0	5.8	.4	22.9
8-9	.0	.0	.7	.0	.0	.0	.7
10-11	.0	.0	.0	.4	.0	.0	.4
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.3	.0	.0	.3
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.6	3.1	8.5	21.1	6.2	.4	39.9

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	4.8	2.7	.0	.0	.0	7.5
3-4	.0	1.3	2.4	.7	.0	.0	4.3
5-6	.0	.5	.8	.1	.0	.0	1.4
7	.0	.0	.3	2.3	.4	.0	3.2
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.5	.0	.0	.5
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	6.5	6.2	3.8	.4	.0	16.8

PERIOD: (OVER-ALL) 1963-1977

MAY

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24.8S 130.0W

TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

S

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	2.0	1.2	.0	.0	.0	3.8
3-4	.0	.5	1.5	.0	.0	.0	2.1
5-6	.0	.3	.4	.0	.0	.0	.6
7	.0	.0	.7	.0	.0	.0	.7
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	2.8	3.8	.0	.0	.0	7.2

SW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.4	.0	.0	.0	.4
1-2	.5	1.0	.3	.0	.0	.0	2.3
3-4	.0	.0	1.9	.7	.0	.0	2.6
5-6	.0	.4	.0	.0	.0	.0	.4
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.5	1.4	3.1	.7	.0	.0	5.6

W

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.4	.0	.0	.0	.4
1-2	.0	.5	1.6	.0	.0	.0	2.1
3-4	.0	.3	1.0	.4	.0	.0	1.8
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.3	.0	.0	.3
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.9	3.0	.6	.0	.0	4.5

NW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	.0	.0	.0	.0	.0	.0	.0	
1-2	.0	.9	.5	.0	.0	.0	1.4	
3-4	.0	1.6	1.4	.7	.0	.0	3.8	
5-6	.0	.0	.8	.0	.0	.0	.8	
7	.0	.0	.4	.4	.0	.0	.7	
8-9	.0	.0	.0	.1	.0	.0	.1	
10-11	.0	.0	.0	.4	.0	.0	.4	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.0	2.5	3.1	1.5	.0	.0	7.2	98.9

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	2.8	.4	.7	.0	.0	.0	3.9	
1-2	2.1	15.7	9.6	.0	.0	.0	27.4	
3-4	.0	6.0	13.2	3.2	.0	.0	22.4	
5-6	.0	2.8	5.3	7.8	.4	.0	16.4	
7	.0	.0	5.3	15.7	6.0	.4	27.4	
8-9	.0	.0	.7	.4	.0	.0	1.1	
10-11	.0	.0	.0	.7	.0	.0	.7	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.7	.0	.0	.7	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	5.0	24.9	34.9	28.5	6.4	.4	100.0	281

PERIOD: (OVER-ALL) 1949-1977

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	.0	1.7	6.9	4.3	6.9	1.7	.9	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	79	5
6-7	.0	.3	2.0	6.3	4.9	1.4	1.7	.3	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	60	6
8-9	.0	.0	.6	3.4	10.3	5.5	6.6	1.1	2.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	103	8
10-11	.0	.3	.9	.9	1.7	1.4	.9	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	22	7
12-13	.0	.0	.3	.9	.9	.0	.3	.9	.6	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	14	9
>13	.0	.0	.0	.6	.3	.6	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6	7
INDET	.6	.0	.9	2.9	6.0	3.5	2.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	64	7
TOTAL	2	8	40	67	108	56	46	9	9	2	1	0	0	0	0	0	0	0	0	348	7
PCT	.6	2.3	11.5	19.3	31.0	16.1	13.2	2.6	2.6	.6	.3	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

JUNE

PERIOD: (PRIMARY) 1949-1977
(OVER-ALL) 1879-1977

AREA 0019 PITCAIRN ISLAND
25.0S 129.9W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
N	4.1	4.1	1.2	.0	.0	.0	.0	9.4	2.3	.0	.0	.0	.0		.0	88.3
NE	5.5	5.5	5.5	.0	.0	.0	.0	14.7	3.7	1.8	.0	.0	.0		.0	79.7
E	3.4	2.0	8.3	.0	.0	.0	.0	12.2	.0	.0	2.0	.0	.0		.0	85.9
SE	2.8	4.4	.6	.0	.0	.0	.0	7.2	.6	.0	5.6	.0	.0		.0	86.7
S	2.9	2.9	5.9	.0	.0	.0	.0	8.8	12.5	.0	4.4	.0	.0		.0	74.3
SW	11.8	.0	.0	.0	.0	.0	.0	11.8	8.8	.0	.0	.0	.0		.0	79.4
W	5.2	13.0	5.2	.0	.0	.0	.0	23.4	5.2	.0	5.2	.0	.0		.0	66.2
NW	.9	9.6	.0	.0	.0	.0	.0	7.5	.0	3.8	.0	.0	.0		.0	88.7
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	100.0
TOT PCT	4.1	4.4	3.7	.0	.0	.0	.0	11.2	3.4	.7	2.0	.0	.0		.0	82.7
TOT OBS:	295															

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
00&03	3.9	4.9	3.9	.0	.0	.0	.0	9.2	3.9	.0	.0	.0	.0		.0	86.8
06&09	1.3	1.3	3.9	.0	.0	.0	.0	5.2	3.9	3.9	3.9	.0	.0		.0	83.1
12&15	7.5	4.5	6.0	.0	.0	.0	.0	16.4	4.5	.0	1.5	.0	.0		.0	77.6
18&21	3.5	8.2	1.2	.0	.0	.0	.0	12.9	2.4	.0	2.4	.0	.0		.0	82.4
TOT PCT	3.9	4.3	3.6	.0	.0	.0	.0	10.8	3.6	1.0	2.0	.0	.0		.0	82.6
TOT OBS:	305															

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	WIND SPEED (KNOTS)									HOUR (GMT)							
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	.7	6.8	6.8	.3	.3	.0		14.8	12.0	18.6	25.0	15.8	2.9	11.9	.0	18.7	8.8
NE	1.1	8.6	7.4	1.3	.0	.0		18.4	11.5	16.6	50.0	22.5	20.6	19.4	20.0	13.1	16.2
E	.1	7.0	7.8	2.6	.3	.0		17.9	14.6	16.3	.0	12.3	23.5	19.8	20.0	24.3	16.2
SE	1.1	7.4	5.0	2.8	.0	.0		16.4	12.8	16.0	.0	18.0	27.9	12.7	.0	13.1	25.7
S	.2	5.4	5.6	.6	.0	.0		11.7	11.9	13.7	18.8	15.5	7.4	9.0	.0	8.6	13.5
SW	.1	2.3	2.1	1.0	.0	.0		5.4	13.5	4.1	6.2	1.8	5.9	5.2	20.0	6.7	11.5
W	.0	2.0	2.7	1.3	.0	.0		6.0	15.7	4.4	.0	3.2	11.8	12.3	20.0	4.5	2.7
NW	.0	2.4	4.9	.6	.0	.0		7.9	13.9	9.3	.0	9.5	.0	8.2	20.0	8.2	3.4
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	1.4							1.4	.0	1.2	.0	1.4	.0	1.5	.0	3.0	.0
TOT OBS	17	148	150	37	2	0	354		12.8	86	4	71	17	67	5	67	37
TOT PCT	4.8	41.8	42.4	10.5	.6	.0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

	WIND SPEED (KNOTS)								HOUR (GMT)			
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	06 09	12 15	18 21
N	2.6	9.3	2.3	.6	.0		14.8	12.0	18.9	13.4	11.1	15.1
NE	3.0	12.5	2.7	.3	.0		18.4	11.5	18.1	22.2	19.4	14.9
E	2.0	8.5	6.5	.8	.0		17.9	14.6	15.6	14.5	19.8	21.4
SE	2.6	9.1	4.4	.3	.0		16.4	12.8	15.3	19.9	11.8	17.5
S	2.9	6.1	2.5	.2	.0		11.7	11.9	13.9	13.9	8.3	10.3
SW	1.1	2.7	1.6	.1	.0		5.4	13.5	4.2	2.6	6.3	8.4
W	.8	2.5	1.9	.8	.0		6.0	15.7	4.2	4.8	12.8	3.8
NW	.1	6.1	1.5	.3	.0		7.9	13.9	8.9	7.7	9.0	6.5
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	1.4						1.4	.0	1.1	1.1	1.4	1.9
TOT OBS	58	201	83	12	0	354		12.8	90	88	72	104
TOT PCT	16.4	56.8	23.4	3.4	.0		100.0		100.0	100.0	100.0	100.0

JUNE

PERIOD: (PRIMARY) 1949-1977
(OVER-ALL) 1875-1977

AREA 0019 PITCAIRN ISLAND
25.0S 129.9W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS) 1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00&03	1.1	1.1	47.8	44.4	4.4	1.1	.0	12.2	100.0	90
06&09	1.1	4.5	38.6	47.7	8.0	.0	.0	12.4	100.0	88
12&15	1.4	1.4	33.3	47.2	15.3	1.4	.0	14.2	100.0	72
18&21	1.9	5.8	45.2	32.7	14.4	.0	.0	12.5	100.0	104
TOT	5	12	148	150	37	2	0	12.8		354
PCT	1.4	3.4	41.8	42.4	10.5	.6	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	2.5	3.6	4.6	3.4		4.9
NE	5.4	2.9	6.6	3.9		4.6
E	4.8	3.2	7.3	3.4		4.7
SE	2.5	2.4	5.7	2.3		4.8
S	2.5	4.0	3.1	1.9		4.2
SW	1.3	1.8	1.9	.8		4.4
W	.4	1.5	3.6	1.1		5.3
NW	1.4	2.6	4.6	.8		4.7
VAR	.0	.0	.0	.0		.0
CALM	.8	.8	.0	.0		2.2
TOT OBS	54	57	93	44	248	4.7
TOT PCT	21.8	23.0	37.5	17.7	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT,NH >4/8) AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

WND DIR	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	TOTAL OBS
N	.0	.0	.0	1.4	1.8	1.5	.3	.0	.0	.0	9.2	
NE	.0	.0	.0	.2	3.6	.8	.5	.4	.0	.0	13.3	
E	.0	.0	.4	1.9	2.6	.8	1.6	.0	.4	.0	11.0	
SE	.0	.0	.0	.5	2.6	1.4	.6	.0	.0	.0	7.9	
S	.4	.0	.0	.7	.4	1.0	.2	.0	.0	.0	8.9	
SW	.0	.0	.0	.4	.0	1.6	.0	.0	.0	.0	3.8	
W	.0	.0	.4	1.1	1.1	.0	.0	.0	.0	.0	4.0	
NW	.0	.0	.0	.6	1.1	.5	.0	.0	.0	.0	7.3	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.6	
TOT OBS	1	0	2	17	43	19	8	1	1	0	166	248
TOT PCT	.4	.0	.8	6.9	13.3	7.7	3.2	.4	.4	.0	66.9	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) ≥ OR >10	≥ OR >5	≥ OR >2	≥ OR >1	≥ OR >1/2	≥ OR >1/4	≥ OR >50YD	≥ OR >0
≥ OR >6500	.0	.4	.4	.4	.4	.4	.4	.4
≥ OR >5000	.4	.8	.8	.8	.8	.8	.8	.8
≥ OR >3500	3.9	4.3	4.3	4.3	4.3	4.3	4.3	4.3
≥ OR >2000	10.5	11.7	12.1	12.5	12.5	12.5	12.5	12.5
≥ OR >1000	20.3	23.4	24.2	25.4	25.4	25.4	25.4	25.4
≥ OR >600	23.8	29.3	30.5	31.6	31.6	31.6	31.6	31.6
≥ OR >300	23.8	29.7	31.3	32.4	32.4	32.4	32.4	32.4
≥ OR >150	23.8	29.7	31.3	32.4	32.4	32.4	32.4	32.4
≥ OR > 0	24.2	30.1	31.6	32.8	32.8	32.8	32.8	32.8
TOTAL	62	77	81	84	84	84	84	84

TOTAL NUMBER OF OBS: 256

PCT FREQ NH <5/8: 67.2

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	OBSCD	TOTAL OBS
6.9	14.1	16.0	16.8	13.0	7.6	6.1	9.2	10.3	.0	262

JUNE

PERIOD: (PRIMARY) 1949-1977
(OVER-ALL) 1875-1977

AREA 0019 PITCAIRN ISLAND
25.0S 129.9W

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	PCP	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0	.7	
	NO PCP	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	
	TOT %	.7	.3	.0	.0	.0	.0	.0	.0	.0	.0	1.0	
2<5	PCP	.3	.0	.0	.3	.0	.0	.7	.0	.0	.0	1.4	
	NO PCP	.0	.0	.0	.0	.3	.0	.0	.0	.0	.0	.3	
	TOT %	.3	.0	.0	.3	.3	.0	.7	.0	.0	.0	1.7	
5<10	PCP	.3	1.2	1.2	.0	.7	.3	.2	.3	.0	.0	4.1	
	NO PCP	2.4	1.8	1.1	3.9	2.1	.9	.5	.8	.0	.0	13.6	
	TOT %	2.6	3.0	2.3	3.9	2.8	1.3	.7	1.1	.0	.0	17.6	
10+	PCP	.4	1.2	.9	.8	.3	.3	.7	.4	.0	.0	5.1	
	NO PCP	10.4	13.9	14.2	10.3	8.1	4.2	4.5	7.5	.0	1.7	74.6	
	TOT %	10.8	15.1	15.1	11.0	8.4	4.5	5.2	7.9	.0	1.7	79.7	
	TOT OBS												295
	TOT PCT	14.5	18.4	17.4	15.3	11.5	5.8	6.5	9.0	.0	1.7	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.3	.3	.0	.0	.0	.0	.0	.0	.0		.7	
	22+	.3	.0	.0	.0	.0	.0	.0	.0	.0		.3	
	TOT %	.7	.3	.0	.0	.0	.0	.0	.0	.0	.0	1.0	
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.3	.0	.0	.0	.0	.0		.3	
	11-21	.0	.0	.0	.0	.3	.0	.7	.0	.0		1.0	
	22+	.3	.0	.0	.0	.0	.0	.0	.0	.0		.3	
	TOT %	.3	.0	.0	.3	.3	.0	.7	.0	.0	.0	1.7	
5<10	0-3	.0	.3	.0	.3	.0	.0	.0	.0	.0	.0	.7	
	4-10	1.4	.8	.3	.8	1.2	.8	.5	.2	.0		5.8	
	11-21	1.3	1.5	2.0	2.5	1.6	.5	.2	.9	.0		10.5	
	22+	.0	.3	.0	.3	.0	.0	.0	.0	.0		.7	
	TOT %	2.6	3.0	2.3	3.9	2.8	1.3	.7	1.1	.0	.0	17.6	
10+	0-3	.8	.8	.0	.3	.3	.1	.0	.0	.0	1.7	4.1	
	4-10	4.7	6.9	6.6	6.4	3.6	1.9	1.3	2.7	.0		34.2	
	11-21	5.3	6.4	5.8	2.5	4.2	1.7	2.4	4.5	.0		32.9	
	22+	.0	1.0	2.6	1.8	.3	.8	1.3	.7	.0		8.5	
	TOT %	10.8	15.1	15.1	11.0	8.4	4.5	5.2	7.9	.0	1.7	79.7	
	TOT OBS												295
	TOT PCT	14.5	18.4	17.4	15.3	11.5	5.8	6.5	9.0	.0	1.7	100.0	

PERIOD: (PRIMARY) 1949-1977
(OVER-ALL) 1875-1977

AREA 0019 PITCAIRN ISLAND
25.0S 129.9W

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET,NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00&03	1.4	.0	.0	8.2	15.1	5.5	2.7	.0	.0	.0	32.9	67.1	73
06&09	.0	.0	.0	3.1	7.8	14.1	4.7	1.6	.0	.0	31.3	68.8	64
12&15	.0	.0	1.6	4.8	17.7	8.1	3.2	.0	1.6	.0	37.1	62.9	62
18&21	.0	.0	1.6	9.8	9.8	4.9	3.3	.0	.0	.0	29.5	70.5	61
TOT	1	0	2	17	33	21	9	1	1	0	85	175	260
PCT	.4	.0	.8	6.5	12.7	8.1	3.5	.4	.4	.0	32.7	67.3	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00&03	.0	.0	2.6	.0	11.8	85.5	76
06&09	.0	.0	1.3	.0	13.0	85.7	77
12&15	.0	.0	.0	4.5	14.9	80.6	67
18&21	.0	.0	.0	2.4	27.1	70.6	85
TOT	0	0	3	5	52	245	305
PCT	.0	.0	1.0	1.6	17.0	80.3	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET,NH >4/8), BY HOUR

HOUR (GMT)	<150 <50YD	<600 <1	<1000 <3	1000+ AND5+	NH <5/8 AND 5+	TOTAL OBS
00&03	1.4	1.4	11.1	20.8	68.1	72
06&09	.0	.0	4.8	27.0	68.3	63
12&15	.0	1.7	6.7	31.7	61.7	60
18&21	.0	1.6	14.8	14.8	70.5	61
TOT	1	3	24	60	172	256
PCT	.4	1.2	9.4	23.4	67.2	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
80/84	.0	.0	.0	.0	.0	.7	.0	.0	2	.7
75/79	.0	.0	.3	.3	2.0	8.8	7.8	2.0	63	21.4
70/74	.0	.0	.0	4.1	8.5	13.9	24.4	9.2	177	60.0
65/69	.0	.0	.3	2.7	3.4	3.7	3.4	2.7	48	16.3
60/64	.0	.0	.0	.0	.3	.3	1.0	.0	5	1.7
TOTAL	0	0	2	21	42	81	108	41	295	100.0
PCT	.0	.0	.7	7.1	14.2	27.5	36.6	13.9		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
.0	.0	.7	.0	.0	.0	.0	.0	.0	.0
6.5	7.1	1.9	.0	.3	.7	.5	4.3	.0	.0
8.7	10.8	12.4	8.8	6.1	2.5	5.1	4.2	.0	1.4
.0	.8	2.7	4.6	4.8	2.3	.6	.4	.0	.0
.0	.0	.0	1.0	.3	.0	.3	.0	.0	.0
15.3	18.8	17.6	14.4	11.6	5.4	6.5	9.0	.0	1.4

TABLE 15

MEANS,EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00&03	81	80	78	73	68	64	64	72.9	90
06&09	77	76	76	72	66	63	63	71.5	95
12&15	76	75	75	71	66	63	63	71.0	76
18&21	79	78	78	73	68	64	64	72.7	104
TOT	81	79	77	72	67	63	63	72.1	365

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00&03	.0	9.6	19.3	33.7	26.5	10.8	76	83
06&09	.0	10.1	10.1	27.8	35.4	16.5	78	79
12&15	.0	.0	15.1	17.8	46.6	20.5	81	73
18&21	.0	12.2	13.5	29.7	36.5	8.1	77	74
TOT	0	25	45	85	111	43	78	309

JUNE

PERIOD: (PRIMARY) 1949-1977
(OVER-ALL) 1875-1977

AREA 0019 PITCAIRN ISLAND
25.0S 129.9W

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	61 64	65 68	69 72	73 76	77 80	81 84	TOT	W FOG	WO FOG
7/8	.0	.0	.0	.0	.4	.0	1	.0	.4
6	.0	.0	.0	.0	.4	.0	1	.0	.4
5	.0	.0	.0	.0	.7	.0	2	.0	.7
4	.0	.0	.0	.4	.7	.0	3	.0	1.1
3	.0	.0	.4	.7	1.5	.4	8	.0	3.0
2	.0	.0	.7	3.7	1.1	.0	16	.0	5.9
1	.0	.0	1.1	7.4	.4	.0	24	.0	8.9
0	.0	.0	2.2	5.6	1.5	.0	25	1.1	8.2
-1	.0	.0	5.2	7.1	1.1	.0	36	.0	13.4
-2	.0	.4	7.4	5.9	.4	.0	38	.4	13.8
-3	.0	1.1	8.9	3.0	.0	.0	35	.0	13.0
-4	.4	1.9	4.1	3.0	.0	.0	25	.4	8.9
-5	.0	3.0	4.1	1.5	.0	.0	23	.4	8.2
-6	.4	2.2	2.6	.0	.0	.0	13	.0	4.8
-7/-8	.0	1.9	3.7	.4	.0	.0	16	.0	5.9
-9/-10	.0	.4	.0	.0	.0	.0	1	.0	.4
-11/-13	.7	.0	.0	.0	.0	.0	2	.0	.7
TOTAL	4	29	109	104	22	1	269	6	263
PCT	1.5	10.8	40.5	38.7	8.2	.4	100.0	2.2	97.8

PERIOD: (OVER-ALL) 1963-1977

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	2.5	1.2	.0	.0	.0	3.7
3-4	.0	1.8	1.7	.0	.0	.0	3.5
5-6	.0	.5	3.7	.0	.0	.0	4.2
7	.0	.5	1.8	.0	.0	.0	2.3
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.7	.0	.0	.0	.7
12	.0	.0	.0	.0	.7	.0	.7
13-16	.0	.0	.0	.7	.0	.0	.7
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	5.3	9.0	.7	.7	.0	15.7

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.7	2.2	.0	.0	.0	.0	2.8
1-2	.7	2.7	.0	.0	.0	.0	3.3
3-4	.0	2.7	5.0	.0	.0	.0	7.7
5-6	.0	.8	3.3	.0	.0	.0	4.2
7	.0	.2	2.2	.7	.0	.0	3.0
8-9	.0	.0	.0	1.3	.0	.0	1.3
10-11	.0	.0	.0	.7	.0	.0	.7
12	.0	.0	.7	.0	.0	.0	.7
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.3	8.5	11.2	2.7	.0	.0	23.7

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	1.2	.0	.0	.0	.0	1.2
1-2	.0	4.5	.7	.0	.0	.0	5.2
3-4	.0	2.5	3.0	.0	.0	.0	5.5
5-6	.0	1.3	2.0	1.3	.0	.0	4.7
7	.0	.0	3.2	.7	.0	.0	3.8
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	1.2	.0	.0	1.2
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.7	.0	.0	.7
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	9.5	8.8	3.8	.0	.0	22.2

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	1.5	.0	.0	.0	.0	1.5
3-4	.0	3.3	.0	.0	.0	.0	3.3
5-6	.0	.0	1.3	.0	.0	.0	1.3
7	.0	.0	.8	.0	.0	.0	.8
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.2	.0	.0	.2
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	4.8	2.2	.2	.0	.0	7.2

PERIOD: (OVER-ALL) 1964-1977 JUNE AREA 0019 PITCAIRN ISLAND

TABLE 18 (CONT) 25.0S 129.9W

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

	S							SW						
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0	.0	.7	.0	.0	.0	.0	.7
1-2	.0	1.2	.5	.0	.0	.0	1.7	.0	1.5	.2	.0	.0	.0	1.7
3-4	.0	2.2	2.0	.0	.0	.0	4.2	.0	.7	1.3	.0	.0	.0	2.0
5-6	.0	.0	.5	.5	.0	.0	1.0	.0	.0	.8	.2	.0	.0	1.0
7	.0	.0	1.2	.0	.0	.0	1.2	.0	.0	.0	.7	.0	.0	.7
8-9	.0	.0	.5	.0	.0	.0	.5	.0	.0	.2	.0	.0	.0	.2
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.2	.7	.0	.0	.0	.8
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	3.3	4.7	.5	.0	.0	8.5	.0	3.0	3.2	.8	.0	.0	7.0

	W							NW							TOTAL
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	PCT
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1-2	.0	.7	.0	.0	.0	.0	.7	.0	1.5	1.5	.0	.0	.0	3.0	
3-4	.0	.7	1.7	.0	.0	.0	2.3	.0	.8	3.3	.0	.0	.0	4.2	
5-6	.0	.0	.7	.7	.0	.0	1.3	.0	.7	.3	.7	.0	.0	1.7	
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	.0	.0	.0	.8	
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.5	.0	.0	.0	.0	.5	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.0	1.8	2.3	.7	.0	.0	4.8	.0	3.0	6.0	.7	.0	.0	9.7	98.7

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	2.6	3.9	.0	.0	.0	.0	6.6	
1-2	1.3	15.8	3.9	.0	.0	.0	21.1	
3-4	.0	14.5	17.8	.0	.0	.0	32.2	
5-6	.0	3.3	12.5	3.3	.0	.0	19.4	
7	.0	.7	9.9	2.0	.0	.0	12.5	
8-9	.0	.0	.7	1.3	.0	.0	2.0	
10-11	.0	.7	1.3	2.0	.0	.0	3.9	
12	.0	.0	.7	.0	.7	.0	1.3	
13-16	.0	.0	.0	1.3	.0	.0	1.3	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	3.9	38.8	46.7	9.9	.7	.0	100.0	152

PERIOD: (OVER-ALL) 1949-1977

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	1.4	5.7	5.7	6.6	2.4	1.9	1.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	53	4
6-7	.0	.0	1.9	5.2	5.2	3.8	2.8	1.4	.5	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	46	8
8-9	.0	.0	1.4	5.7	6.6	2.4	4.2	.9	.0	1.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	48	8
10-11	.0	.0	.5	2.8	2.4	1.4	2.4	.0	1.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	24	8
12-13	.0	.0	.0	1.9	1.4	1.4	.5	.5	.9	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	16	9
>13	.0	.0	.0	.0	1.9	.0	.0	.0	.9	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	7	11
INDET	1.4	.0	2.4	1.4	.9	1.4	.5	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	18	5
TOTAL	6	12	25	50	44	26	25	7	9	7	1	0	0	0	0	0	0	0	0	212	7
PCT	2.8	5.7	11.8	23.6	20.8	12.3	11.8	3.3	4.2	3.3	.5	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

JULY

PERIOD: (PRIMARY) 1951-1977
(OVER-ALL) 1876-1977

AREA 0019 PITCAIRN ISLAND
24.9S 129.9W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
N	6.3	2.5	2.5	.0	.0	.0	.0	11.4	4.4	.0	.0	.0	.0	.0	.0	84.2
NE	3.1	6.2	6.2	.0	.0	.0	.0	15.5	3.9	.0	.0	.0	.0	.0	.0	80.6
E	1.6	.8	3.1	.0	.0	.0	.0	5.5	9.8	.0	1.6	.0	.0	.0	.0	83.2
SE	3.8	1.6	.0	.0	.0	.0	.0	5.4	4.1	.0	.0	.0	.0	.0	.0	90.5
S	2.2	2.8	2.2	.0	.0	.0	.0	7.2	11.7	.0	1.1	.0	.0	.0	.0	80.0
SW	.0	4.8	4.8	.0	.0	.0	.0	9.5	1.2	4.3	2.4	.0	.0	.0	.0	77.4
W	10.0	10.0	7.3	.0	.0	.0	.0	27.3	.0	.0	.0	.0	.0	.0	.0	72.7
NW	2.6	.9	.0	.0	.0	.0	.0	3.5	7.0	3.5	.0	.0	.0	.0	.0	86.1
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	16.7	.0	.0	.0	.0	16.7	.0	.0	.0	.0	.0	.0	.0	83.3
TOT PCT	3.5	2.9	2.9	.0	.0	.0	.0	9.3	5.8	.9	.6	.0	.0	.0	.0	83.4
TOT OBS:	343															

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
00603	2.2	.0	1.1	.0	.0	.0	.0	3.3	3.3	.0	.0	.0	.0	.0	.0	93.5
06609	5.6	2.2	3.3	.0	.0	.0	.0	11.1	5.7	1.1	.0	.0	.0	.0	.0	81.1
12615	.0	7.8	4.7	.0	.0	.0	.0	12.5	7.8	3.1	.0	.0	.0	.0	.0	76.6
18621	4.9	2.9	2.9	.0	.0	.0	.0	10.8	5.9	.0	2.0	.0	.0	.0	.0	81.4
TOT PCT	3.4	2.9	2.9	.0	.0	.0	.0	9.2	5.7	.9	.6	.0	.0	.0	.0	83.6
TOT OBS:	348															

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	WIND SPEED (KNOTS)									HOUR (GMT)							
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	.0	4.3	5.7	2.7	.0	.0		12.8	14.5	14.6	.0	18.0	6.3	13.6	.0	13.8	7.1
NE	.3	3.8	4.5	.8	.0	.0		9.4	12.0	12.2	.0	4.0	8.9	9.2	15.4	9.7	13.6
E	.0	5.1	11.7	2.1	.0	.0		18.9	14.3	13.6	38.6	13.7	17.9	18.4	42.3	18.8	31.4
SE	.0	7.8	10.9	3.3	.0	.0		21.9	14.4	20.5	43.2	18.0	33.9	19.7	11.5	26.3	15.7
S	.5	4.5	6.6	1.6	.0	.0		13.1	13.4	12.8	.0	14.0	13.4	17.1	23.1	10.6	11.4
SW	.3	2.1	2.9	.5	.0	.0		5.8	12.5	6.6	9.1	6.3	6.3	5.7	7.7	3.4	5.7
W	.4	2.4	4.1	.8	.0	.0		7.7	12.8	8.2	.0	9.7	1.8	5.3	.0	12.5	5.0
NW	.0	4.2	4.5	.2	.0	.0		8.9	11.7	10.4	9.1	15.0	8.0	7.5	.0	3.8	10.0
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	1.5							1.5	.0	1.1	.0	1.3	3.6	3.5	.0	1.3	.0
TOT OBS	12	134	200	47	0	0	393		13.3	94	11	75	28	57	13	80	35
TOT PCT	3.1	34.1	50.9	12.0	.0	.0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

	WIND SPEED (KNOTS)								HOUR (GMT)			
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	06 09	12 15	18 21
N	1.9	5.9	4.8	.2	.0		12.8	14.5	13.1	14.8	11.1	11.7
NE	2.2	5.5	1.5	.3	.0		9.4	12.0	11.0	5.3	10.4	10.9
E	1.3	11.9	5.7	.0	.0		18.9	14.3	16.2	14.8	22.9	22.6
SE	2.2	12.5	6.6	.8	.0		21.9	14.4	22.9	22.3	18.2	23.0
S	1.8	7.7	3.6	.0	.0		13.1	13.4	11.4	13.8	18.2	10.9
SW	.8	3.9	1.0	.2	.0		5.8	12.5	6.9	6.3	6.1	4.1
W	1.6	4.3	1.5	.3	.0		7.7	12.8	7.4	7.5	4.3	10.2
NW	1.2	5.9	1.8	.1	.0		8.9	11.7	10.2	13.1	6.1	5.7
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	1.5						1.5	.0	1.0	1.9	2.9	.9
TOT OBS	57	226	103	7	0	393		13.3	105	103	70	115
TOT PCT	14.5	57.5	26.2	1.8	.0		100.0		100.0	100.0	100.0	100.0

PERIOD: (PRIMARY) 1951-1977
(OVER-ALL) 1876-1977

AREA 0019 PITCAIRN ISLAND
24.9S 129.9W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS) 1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00&03	1.0	1.9	26.7	59.0	11.4	.0	.0	14.0	100.0	105
06&09	1.9	1.0	37.9	44.7	14.6	.0	.0	13.0	100.0	103
12&15	2.9	2.9	30.0	55.7	8.6	.0	.0	13.1	100.0	70
18&21	.9	.9	40.0	46.1	12.2	.0	.0	13.2	100.0	115
TOT	6	6	134	200	47	0	0	13.3		393
PCT	1.5	1.5	34.1	50.9	12.0	.0	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	2.9	2.4	3.5	2.6		4.7
NE	2.0	3.0	2.5	1.5		4.4
E	2.7	4.7	8.1	3.5		5.1
SE	3.5	8.0	9.6	2.7		4.7
S	1.5	4.4	6.5	1.6		4.9
SW	1.5	2.0	1.7	1.0		4.3
W	2.1	1.1	2.5	1.6		4.7
NW	1.3	2.8	2.6	1.0		4.7
VAR	.0	.0	.0	.0		.0
CALM	1.0	.0	.3	.3		3.2
TOT OBS	56	86	114	48	304	4.7
TOT PCT	18.4	28.3	37.5	15.8	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT,NH >4/8) AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	TOTAL OBS
.0	.0	.3	1.3	1.3	1.6	.2	.0	.0	.0	6.3	
.0	.0	.0	.3	1.3	.6	.3	.0	.0	.0	6.4	
.0	.0	.0	.3	2.4	3.0	.5	.0	.0	.0	12.8	
.0	.0	.0	1.4	3.2	2.8	.8	.0	.0	.0	15.5	
.0	.0	.0	.9	3.9	2.4	.3	.0	.0	.0	6.4	
.0	.0	.0	.0	.7	.0	.4	.0	.0	.0	5.0	
.0	.0	.0	1.8	.8	.3	.2	.0	.0	.0	4.1	
.0	.0	.3	.5	1.2	.2	.2	.0	.0	.0	5.3	
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
.0	.0	.0	.0	.3	.0	.0	.0	.0	.0	1.3	
0	0	2	20	48	33	9	0	0	0	192	304
.0	.0	.7	6.6	15.8	10.9	3.0	.0	.0	.0	63.2	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) * OR >10	* OR >5	* OR >2	* OR >1	* OR >1/2	* OR >1/4	* OR >50YD	* OR >0
* OR >6500	.0	.0	.0	.0	.0	.0	.0	.0
* OR >5000	.0	.0	.0	.0	.0	.0	.0	.0
* OR >3500	2.6	2.9	2.9	2.9	2.9	2.9	2.9	2.9
* OR >2000	12.7	13.6	13.6	13.6	13.6	13.6	13.6	13.6
* OR >1000	25.0	27.9	28.9	29.2	29.2	29.2	29.2	29.2
* OR >600	28.6	34.1	35.7	36.0	36.0	36.0	36.0	36.0
* OR >300	28.9	34.7	36.4	36.7	36.7	36.7	36.7	36.7
* OR >150	29.2	35.1	36.7	37.0	37.0	37.0	37.0	37.0
* OR > 0	29.2	35.1	36.7	37.0	37.0	37.0	37.0	37.0
TOTAL	90	108	113	114	114	114	114	114

TOTAL NUMBER OF OBS: 308

PCT FREQ NH <5/8: 63.0

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8 OBSCD	TOTAL OBS
3.8	8.8	17.7	10.7	15.1	10.4	7.3	7.6	12.6 .0	317

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PERIOD: (PRIMARY) 1951-1977
(OVER-ALL) 1876-1977

AREA 0019 PITCAIRN ISLAND
24.9S 129.9W

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	PCP	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.3	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.3	
2<5	PCP	.0	.6	.0	.3	.0	.0	.6	.0	.0	.0	1.5	
	NO PCP	.0	.0	.0	.0	.0	.3	.0	.0	.0	.0	.3	
	TOT %	.0	.6	.0	.3	.0	.3	.6	.0	.9	.0	1.7	
5<10	PCP	1.0	.3	.3	.6	.6	.6	1.0	.3	.0	.0	4.7	
	NO PCP	1.5	.9	2.8	2.0	.7	.6	.7	.9	.0	.3	10.2	
	TOT %	2.5	1.2	3.1	2.6	1.2	1.2	1.7	1.2	.0	.3	14.9	
10+	PCP	.3	.3	.7	.4	.4	.0	.6	.0	.0	.3	2.9	
	NO PCP	8.7	7.1	14.9	19.6	11.5	4.7	5.1	7.2	.0	1.2	80.2	
	TOT %	9.0	7.4	15.6	20.2	11.9	4.7	5.7	7.2	.0	1.5	83.1	
	TOT OBS												343
	TOT PCT	11.5	9.4	18.7	23.0	13.1	6.1	8.0	8.4	.0	1.7	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.3	.0	.0	.0	.0	.0	.0	.0		.3	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.3	
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.6	.0	.0	.0	.0	.6	.0	.0		1.2	
	22+	.0	.0	.0	.3	.0	.3	.0	.0	.0		.6	
	TOT %	.0	.6	.0	.3	.0	.3	.6	.0	.0	.0	1.7	
5<10	0-3	.0	.0	.0	.0	.0	.3	.0	.0	.0	.3	.6	
	4-10	.9	.3	1.2	.9	.5	.1	.7	.9	.0		5.5	
	11-21	.7	.9	1.6	1.0	.4	.7	.7	.3	.0		6.4	
	22+	.9	.0	.3	.6	.3	.0	.3	.0	.0		2.3	
	TOT %	2.5	1.2	3.1	2.6	1.2	1.2	1.7	1.2	.0	.3	14.9	
10+	0-3	.0	.3	.0	.0	.3	.1	.5	.0	.0	1.5	2.6	
	4-10	2.8	3.3	3.3	6.9	3.4	2.3	2.0	2.6	.0		26.5	
	11-21	4.4	3.0	10.2	10.4	6.6	2.1	2.8	4.4	.0		44.0	
	22+	1.7	.8	2.1	2.9	1.5	.2	.4	.2	.0		9.9	
	TOT %	9.0	7.4	15.6	20.2	11.9	4.7	5.7	7.2	.0	1.5	83.1	
	TOT OBS												343
	TOT PCT	11.5	9.4	18.7	23.0	13.1	6.1	8.0	8.4	.0	1.7	100.0	

PERIOD: (PRIMARY) 1951-1977
(OVER-ALL) 1876-1977

AREA 0019 PITCAIRN ISLAND
24.9S 129.9W

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00&03	.0	.0	.0	3.3	12.1	9.9	4.4	.0	.0	.0	29.7	70.3	91
06&09	.0	.0	.0	12.3	11.0	9.6	4.1	.0	.0	.0	37.0	63.0	73
12&15	.0	.0	1.7	1.7	23.3	10.0	1.7	.0	.0	.0	38.3	61.7	60
18&21	.0	1.1	1.1	9.2	17.2	12.6	1.1	.0	.0	.0	42.5	57.5	87
TOT	0	1	2	21	48	33	9	0	0	0	114	197	311
PCT	.0	.3	.6	6.8	15.4	10.6	2.9	.0	.0	.0	36.7	63.3	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00&03	.0	.0	.0	1.1	3.3	95.7	92
06&09	.0	.0	.0	.0	22.2	77.8	90
12&15	.0	.0	1.6	6.3	12.5	79.7	64
18&21	.0	.0	.0	1.0	19.6	79.4	102
TOT	0	0	1	6	51	290	348
PCT	.0	.0	.3	1.7	14.7	83.3	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET, NH >4/8), BY HOUR

HOUR (GMT)	<150 <300YD	<600 <1	<1000 <3	1000+ AND3+	NH <5/8 AND 5+	TOTAL OBS
00&03	.0	.0	4.4	25.3	70.3	91
06&09	.0	.0	12.5	25.0	62.5	72
12&15	.0	1.7	10.2	30.5	59.3	59
18&21	.0	2.3	11.6	31.4	57.0	86
TOT	0	3	29	86	193	308
PCT	.0	1.0	9.4	27.9	62.7	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
75/79	.0	.0	.0	.0	.6	3.4	1.7	2.0	27	7.6
70/74	.0	.0	.0	2.2	5.1	15.7	16.6	9.6	175	49.2
65/69	.0	.0	.3	3.9	9.8	9.8	12.1	5.3	147	41.3
60/64	.0	.0	.0	.3	.0	.0	.8	.8	7	2.0
TOTAL	0	0	1	23	55	103	111	63	356	100.0
PCT	.0	.0	.3	6.5	15.4	28.9	31.2	17.7		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
3.5	.8	.0	.3	.0	.0	.7	2.0	.0	.3
8.5	6.7	10.9	7.4	3.1	1.4	3.7	6.7	.0	.8
1.2	.8	7.8	14.8	9.3	3.2	3.4	.6	.0	.3
.0	.0	.2	.7	.5	.3	.3	.0	.0	.0
13.2	8.2	18.9	23.2	12.9	4.9	8.0	9.3	.0	1.4

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00&03	76	75	75	71	66	64	64	71.1	106
06&09	75	74	73	70	65	62	62	69.5	103
12&15	76	75	73	69	65	64	64	69.2	71
18&21	88	78	77	71	67	64	64	70.8	115
TOT	88	77	75	70	65	64	62	70.3	395

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00&03	.0	7.7	20.2	29.8	32.7	9.6	75	104
06&09	.0	8.8	12.1	24.2	28.6	26.4	79	91
12&15	.0	1.5	13.4	37.3	26.9	20.9	80	67
18&21	.0	8.0	15.0	27.0	34.0	16.0	78	100
TOT	0	25	56	105	112	64	78	362

JULY

PERIOD: (PRIMARY) 1951-1977
(OVER-ALL) 1876-1977

AREA 0019 PITCAIRN ISLAND
24.9S 129.9W

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	61 64	65 68	69 72	73 76	77 80	81 84	85 88	TOT	W FOG	WO FOG
14/16	.0	.0	.0	.0	.0	.0	.3	1	.0	.3
5	.0	.0	.7	.7	.3	.0	.0	5	.0	1.6
4	.0	.0	.0	.3	.3	.0	.0	2	.0	.7
3	.0	.0	.7	1.0	.0	.0	.0	5	.0	1.6
2	.0	.0	2.3	2.3	.3	.0	.0	15	.0	4.9
1	.0	.0	2.3	3.6	.0	.0	.0	18	.0	5.9
0	.0	1.0	6.9	3.3	.0	.0	.0	34	.0	11.1
-1	.0	2.0	9.2	5.2	.0	.0	.0	50	.3	16.1
-2	.0	3.6	9.8	2.0	.0	.0	.0	47	.0	15.4
-3	.0	3.9	6.9	.0	.0	.0	.0	33	.0	10.8
-4	.0	4.9	4.3	.0	.0	.0	.0	28	.3	8.9
-5	.7	5.9	3.3	.3	.0	.0	.0	31	.0	10.2
-6	.3	2.6	2.0	.0	.0	.0	.0	15	.0	4.9
-7/-8	.7	3.3	.7	.0	.0	.0	.0	14	.0	4.6
-9/-10	.0	1.6	.0	.0	.0	.0	.0	5	.0	1.6
-11/-13	.0	.0	.3	.0	.0	.0	.0	1	.0	.3
-14/-16	.0	.3	.0	.0	.0	.0	.0	1	.0	.3
TOTAL	5	89	150	57	3	0	1	305	2	303
PCT	1.6	29.2	49.2	18.7	1.0	.0	.3	100.0	.7	99.3

PERIOD: (OVER-ALL) 1963-1977

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.4	.0	.0	.0	.0	.4
1-2	.0	.9	.5	.0	.0	.0	1.3
3-4	.0	.9	1.0	.5	.0	.0	2.3
5-6	.0	.0	4.0	.0	.0	.0	4.0
7	.0	.0	.4	.5	.0	.0	.9
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	1.5	.0	.0	1.5
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	2.1	5.9	2.5	.0	.0	10.4

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.1	.0	.0	.0	.0	.1
1-2	.5	1.0	1.5	.0	.0	.0	2.9
3-4	.0	1.5	.7	.5	.0	.0	2.7
5-6	.0	.0	2.1	.0	.0	.0	2.1
7	.0	.0	.5	.0	.0	.0	.5
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.5	.0	.0	.5
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.5	2.6	4.8	1.0	.0	.0	8.8

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.4	.0	.0	.0	.0	.4
1-2	.0	1.8	2.9	.0	.0	.0	4.8
3-4	.0	.4	8.0	.0	.0	.0	8.3
5-6	.0	.0	2.7	1.8	.0	.0	4.5
7	.0	.0	.5	.9	.0	.0	1.3
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	1.3	.5	.0	.0	1.8
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	2.6	15.4	3.2	.0	.0	21.2

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	1.6	.0	.0	.0	.0	1.6
1-2	.0	3.2	1.6	.0	.0	.0	4.8
3-4	.0	3.1	4.0	.0	.0	.0	7.1
5-6	.0	1.0	3.7	2.2	.0	.0	6.9
7	.0	.0	1.0	1.6	.0	.0	2.6
8-9	.0	.0	.6	.5	.0	.0	1.1
10-11	.0	.0	.0	.1	.0	.0	.1
12	.0	.0	.1	.0	.0	.0	.1
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	8.8	11.0	4.4	.0	.0	24.3

PERIOD: (OVER-ALL) 1963-1977

JULY

TABLE 18 (CONT)

AREA 0019 PITCAIRN ISLAND
24.9S 129.9W

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

	S							SW						
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	1.0	.0	.0	.0	.0	1.0	.1	2.5	.0	.0	.0	.0	2.6
1-2	.0	1.7	.4	.0	.0	.0	2.1	.0	1.2	1.1	.0	.0	.0	2.3
3-4	.0	.5	.0	.0	.0	.0	.5	.0	.0	.5	.0	.0	.0	.5
5-6	.0	.0	1.8	.9	.0	.0	2.7	.0	.0	.5	.5	.0	.0	1.0
7	.0	.0	2.8	.0	.0	.0	2.8	.0	.0	.1	.0	.0	.0	.1
8-9	.0	.0	.9	.5	.0	.0	1.3	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.9	.7	.0	.0	1.6	.0	.0	.1	.1	.0	.0	.2
12	.0	.0	2.0	.5	.0	.0	2.5	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	3.2	8.7	2.6	.0	.0	14.5	.1	3.7	2.3	.6	.0	.0	6.7

	W							NW							TOTAL
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	PCT
<1	.4	1.5	.0	.0	.0	.0	1.8	.0	.0	.0	.0	.0	.0	.0	
1-2	.0	1.3	.9	.0	.0	.0	2.2	.0	1.1	.5	.0	.0	.0	1.6	
3-4	.0	.5	.7	.4	.0	.0	1.6	.0	.6	1.7	.1	.0	.0	2.5	
5-6	.0	.0	.4	.0	.0	.0	.4	.0	.0	1.5	.0	.0	.0	1.5	
7	.0	.0	.4	.0	.0	.0	.4	.0	.0	.7	.0	.0	.0	.7	
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.0	.0	.0	.5	
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.4	3.3	2.3	.4	.0	.0	6.4	.0	1.7	4.9	.1	.0	.0	6.7	99.0

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	2.0	7.3	.0	.0	.0	.0	9.3	
1-2	.5	12.2	9.3	.0	.0	.0	22.0	
3-4	.0	7.3	16.6	1.5	.0	.0	25.4	
5-6	.0	1.0	16.6	5.4	.0	.0	22.9	
7	.0	.0	6.3	2.9	.0	.0	9.3	
8-9	.0	.0	1.5	1.0	.0	.0	2.4	
10-11	.0	.0	1.5	2.9	.0	.0	4.4	
12	.0	.0	3.4	1.0	.0	.0	4.4	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
								205
TOT PCT	2.4	27.8	55.1	14.6	.0	.0	100.0	

PERIOD: (OVER-ALL) 1949-1977

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	.4	1.9	4.9	4.5	.7	1.9	1.5	1.5	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	47	6
6-7	.0	.7	5.2	6.4	10.1	4.5	3.4	3.0	1.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	93	7
8-9	.0	.0	1.5	4.9	6.0	5.2	6.7	1.9	.4	.7	.4	.0	.0	.0	.0	.0	.0	.0	.0	74	8
10-11	.0	.4	.4	.7	2.2	1.9	1.1	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	20	7
12-13	.0	.0	.4	.7	.4	.0	1.1	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	8	8
>13	.0	.0	.0	.4	.0	.0	.4	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3	9
INDET	.4	.0	1.5	2.2	2.2	.7	.4	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	22	6
TOTAL	2	8	37	58	58	38	39	22	7	2	1	0	0	0	0	0	0	0	0	267	7
PCT	.7	3.0	13.9	19.9	21.7	14.2	14.6	8.2	2.6	.7	.4	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

AUGUST

PERIOD: (PRIMARY) 1951-1977
(OVER-ALL) 1873-1977

AREA 0019 PITCAIRN ISLAND
24.9S 130.0W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA				
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
N	7.1	4.6	2.3	.0	.0	.0	.0	13.6	2.6	2.0	1.3	.0	1.0		.0	80.2
NE	6.7	.0	.0	.0	.0	.0	.0	6.7	5.0	.0	.0	.0	.0		.0	88.3
E	5.5	4.4	1.6	.0	.0	.0	.0	9.9	5.5	2.2	.0	.0	.0		.0	82.4
SE	1.5	2.0	2.5	.0	.0	.0	.0	5.4	4.5	.0	.0	.0	.0		.0	90.1
S	2.8	7.5	.0	.0	.0	.0	.0	10.3	6.5	.0	.0	.0	2.8		.0	80.4
SW	.0	1.6	.0	.0	.0	.0	.0	1.6	4.0	.0	.0	.0	.8		.0	93.5
W	9.9	2.8	.0	.0	.0	.0	.0	12.7	.0	.0	.0	.0	.0		.0	87.3
NW	8.9	5.7	.8	.0	.0	.0	.0	15.4	6.5	.0	.0	.0	.8		.0	77.2
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	100.0
TOT PCT	5.2	3.4	1.2	.0	.0	.0	.0	9.5	4.3	.9	.3	.0	.6		.0	84.7
TOT OBS:	326															

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA				
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
00&03	5.6	1.4	1.4	.0	.0	.0	.0	7.0	2.8	.0	.0	.0	.0		.0	90.1
06&09	4.2	2.1	1.1	.0	.0	.0	.0	7.4	3.2	2.1	.0	.0	.0		.0	87.4
12&15	2.6	3.9	2.6	.0	.0	.0	.0	9.2	7.9	.0	.0	.0	2.6		.0	80.3
18&21	8.2	7.1	.0	.0	.0	.0	.0	15.3	3.1	1.0	1.0	.0	.0		.0	80.6
TOT PCT	5.3	3.8	1.2	.0	.0	.0	.0	10.0	4.1	.9	.3	.0	.6		.0	84.4
TOT OBS:	340															

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	WIND SPEED (KNOTS)									HOUR (GMT)							
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	.0	9.9	11.6	1.9	.0	.0		23.4	13.2	21.8	31.7	19.2	21.0	17.8	23.2	22.5	42.9
NE	.0	6.3	7.1	.3	.0	.0		13.7	11.6	7.1	8.3	14.6	20.0	22.3	23.2	14.4	2.4
E	.3	5.4	7.2	.7	.0	.0		14.6	12.7	6.3	16.7	11.4	16.0	18.9	17.9	12.5	18.5
SE	.2	5.8	8.6	1.4	.0	.0		16.0	12.9	23.4	21.7	12.3	12.0	12.5	17.9	19.1	10.7
S	.5	3.9	3.3	.5	.0	.0		8.2	11.1	2.0	.0	13.6	16.0	9.1	7.1	7.8	6.0
SW	.6	3.6	4.3	1.1	.0	.0		9.6	12.5	15.9	6.7	11.7	2.0	8.7	.0	10.0	5.4
W	.0	1.1	2.6	1.8	.0	.0		5.6	16.5	7.9	.0	8.8	6.0	3.0	.0	4.7	5.4
NW	.0	4.7	3.7	.7	.0	.0		9.1	11.8	15.5	15.0	7.1	7.0	7.6	10.7	6.6	8.9
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.8							.8	.0	.0	.0	1.3	.0	.0	.0	2.5	.0
TOT OBS	9	106	185	32	0	0	382		12.6	63	45	77	25	66	14	80	42
TOT PCT	2.4	40.8	48.4	8.4	.0	.0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

	WIND SPEED (KNOTS)								HOUR (GMT)			
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	06 09	12 15	18 21
N	3.3	12.6	7.0	.5	.0		23.4	13.2	23.7	19.6	18.8	29.5
NE	2.0	9.5	2.3	.0	.0		13.7	11.6	7.4	15.9	22.5	10.2
E	1.0	9.6	2.7	.3	.0		13.6	12.7	8.3	12.5	18.8	14.5
SE	1.0	11.4	3.6	.0	.0		16.0	12.9	23.1	12.3	13.4	16.2
S	2.9	3.4	1.9	.0	.0		8.2	11.1	1.6	14.2	8.8	7.2
SW	1.8	5.2	2.6	.0	.0		9.6	12.5	14.1	9.3	7.2	8.4
W	.4	2.7	2.4	.0	.0		5.6	16.5	6.4	8.1	2.5	4.9
NW	3.0	3.5	2.6	.1	.0		9.1	11.8	15.4	7.1	8.1	7.4
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	.8						.8	.0	.0	1.0	.0	1.6
TOT OBS	62	221	96	3	0	382		12.6	98	102	80	122
TOT PCT	16.2	57.9	25.1	.8	.0		100.0		100.0	100.0	100.0	100.0

AUGUST

PERIOD: (PRIMARY) 1951-1977
(OVER-ALL) 1873-1977

AREA 0019 PITCAIRN ISLAND
24.9S 130.0W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS) 1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00&03	.0	.0	33.3	57.7	9.0	.0	.0	13.3	100.0	78
06&09	1.0	3.9	41.2	47.1	6.9	.0	.0	12.0	100.0	102
12&15	.0	1.3	55.0	36.3	7.5	.0	.0	11.6	100.0	80
18&21	1.6	.8	36.1	51.6	9.8	.0	.0	13.3	100.0	122
TOT	3	6	156	185	32	0	0	12.6		382
PCT	.8	1.6	40.8	48.4	8.4	.0	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	6.8	4.9	7.7	4.0		4.4
NE	5.5	2.4	4.1	2.2		4.1
E	4.0	3.7	3.4	1.5		4.0
SE	2.4	4.5	7.6	2.2		4.7
S	1.3	1.3	3.1	2.1		5.4
SW	1.9	2.7	3.4	1.3		4.8
W	.9	.6	2.7	1.3		5.9
NW	.9	1.4	4.2	3.3		6.1
VAR	.0	.0	.0	.0		.0
CALM	.0	.4	.4	.0		5.0
TOT OBS	65	61	102	50	278	4.7
TOT PCT	23.4	21.9	36.7	18.0	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT,NH >4/8) AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	TOTAL OBS
N	.0	.0	.9	.4	2.2	1.2	.4	.0	.0	.4	18.1	
NE	.0	.0	.4	.4	1.3	2.3	.4	.4	.0	.0	9.2	
E	.0	.0	.0	.3	2.2	1.5	.0	.0	.0	.0	8.5	
SE	.0	.0	.0	.4	1.3	3.1	.4	.2	.0	.0	11.3	
S	.0	.0	.0	1.2	2.3	.7	.0	.2	.0	.0	3.2	
SW	.0	.0	.0	1.3	1.6	.0	.0	.0	.0	.0	6.4	
W	.0	.0	.4	1.0	1.7	.0	.0	.0	.0	.0	2.2	
NW	.0	.0	.2	.1	2.3	.8	.0	1.4	.0	.0	5.0	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.0	.0	.0	.4	.0	.0	.0	.0	.0	.4	
TOT OBS	0	0	5	14	43	27	3	6	0	1	179	278
TOT PCT	.0	.0	1.8	5.0	15.5	9.7	1.1	2.2	.0	.4	64.4	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) = OR >10	= OR >5	= OR >2	= OR >1	= OR >1/2	= OR >1/4	= OR >50YD	= OR >0
= OR >6500	.3	.3	.3	.3	.3	.3	.3	.3
= OR >5000	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
= OR >3500	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
= OR >2000	11.8	13.2	13.2	13.2	13.2	13.2	13.2	13.2
= OR >1000	22.2	27.8	29.5	29.5	29.5	29.5	29.5	29.5
= OR >600	24.7	31.6	34.4	34.4	34.4	34.4	34.4	34.4
= OR >300	25.7	32.6	36.1	36.1	36.1	36.1	36.1	36.1
= OR >150	25.7	32.6	36.1	36.1	36.1	36.1	36.1	36.1
= OR > 0	25.7	32.6	36.5	36.5	36.5	36.5	36.5	36.5
TOTAL	74	94	105	105	105	105	105	105

TOTAL NUMBER OF OBS: 288

PCT FREQ NH <5/8: 63.5

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8 OBSCD	TOTAL OBS
5.9	16.3	17.6	13.4	9.8	8.8	5.2	11.8	10.8 .3	306

AUGUST

PERIOD: (PRIMARY) 1951-1977
(OVER-ALL) 1873-1977

AREA 0019 PITCAIRN ISLAND
24.9S 130.0W

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	PCP	1.0	.3	.8	.1	.0	.0	.2	.6	.0	.0	3.1	
	NO PCP	.0	.0	.0	.0	.0	.3	.0	.3	.0	.0	.6	
	TOT %	1.0	.3	.8	.1	.0	.3	.2	.9	.0	.0	3.7	
5<10	PCP	1.6	.3	.5	.5	.8	.2	.2	.5	.0	.0	4.6	
	NO PCP	2.0	1.1	2.1	.4	2.0	.5	.5	1.2	.0	.0	9.8	
	TOT %	3.6	1.4	2.6	.8	2.8	.7	.7	1.8	.0	.0	14.4	
10+	PCP	.6	.3	.0	.3	.0	.0	.3	.3	.0	.0	1.8	
	NO PCP	18.4	11.7	10.5	14.3	5.4	8.5	4.2	6.4	.0	.6	80.1	
	TOT %	19.0	12.0	10.5	14.6	5.4	8.5	4.5	6.7	.0	.6	81.9	
	TOT OBS												326
	TOT PCT	23.6	13.7	14.0	15.5	8.2	9.5	5.4	9.4	.0	.6	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.6	.0	.0	.0	.0	.0	.0	.3	.0		.9	
	11-21	.4	.3	.5	.1	.0	.3	.2	.6	.0		2.5	
	22+	.0	.0	.3	.0	.0	.0	.0	.0	.0		.3	
	TOT %	1.0	.3	.8	.1	.0	.3	.2	.9	.0	.0	3.7	
5<10	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	1.5	.3	1.2	.6	.3	.0	.0	.7	.0		4.6	
	11-21	1.9	1.1	1.4	.2	2.0	.6	.4	1.0	.0		8.6	
	22+	.2	.0	.0	.0	.5	.1	.3	.1	.0		1.2	
	TOT %	3.6	1.4	2.6	.8	2.8	.7	.7	1.8	.0	.0	14.4	
10+	0-3	.0	.0	.0	.2	.4	.7	.0	.0	.0	.6	1.8	
	4-10	8.1	5.8	4.6	4.5	3.8	3.6	1.3	4.0	.0		35.6	
	11-21	9.6	6.0	5.4	8.3	1.2	3.1	2.1	2.3	.0		38.0	
	22+	1.4	.3	.5	1.6	.0	1.1	1.1	.5	.0		6.4	
	TOT %	19.0	12.0	10.5	14.6	5.4	8.5	4.5	6.7	.0	.6	81.9	
	TOT OBS												326
	TOT PCT	23.6	13.7	14.0	15.5	8.2	9.5	5.4	9.4	.0	.6	100.0	

AUGUST

PERIOD: (PRIMARY) 1951-1977
(OVER-ALL) 1873-1977

AREA 0019 PITCAIRN ISLAND
24.9S 130.0W

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET,NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00&03	1.4	.0	.0	5.7	11.4	8.6	1.4	2.9	.0	1.4	32.9	67.1	70
06&09	.0	.0	1.3	3.9	13.0	3.9	.0	3.9	.0	.0	26.0	74.0	77
12&15	.0	.0	1.4	4.3	18.6	12.9	.0	1.4	.0	.0	38.6	61.4	70
18&21	.0	.0	3.7	4.9	19.8	12.3	2.5	.0	.0	.0	43.2	56.8	81
TOT	1	0	5	14	47	28	3	6	0	1	105	193	298
PCT	.3	.0	1.7	4.7	15.8	9.4	1.0	2.0	.0	.3	35.2	64.8	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00&03	.0	.0	.0	1.4	9.9	88.7	71
06&09	.0	.0	.0	2.1	12.6	85.3	95
12&15	.0	.0	.0	3.9	11.8	84.2	76
18&21	.0	.0	.0	7.1	21.4	71.4	98
TOT	0	0	0	13	49	278	340
PCT	.0	.0	.0	3.8	14.4	81.8	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET,NH >4/8), BY HOUR

HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL OBS
00&03	1.5	1.5	7.4	26.5	66.2	68
06&09	.0	1.4	7.0	21.1	71.8	71
12&15	.0	1.4	7.2	31.9	60.9	69
18&21	.0	3.8	12.5	31.3	56.3	80
TOT	1	6	25	80	183	288
PCT	.3	2.1	8.7	27.8	63.5	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
75/79	.0	.0	.0	.0	.0	1.8	2.1	.6	15	4.4
70/74	.0	.0	.9	2.9	3.2	9.7	18.5	20.5	188	55.1
65/69	.0	.0	.3	2.1	6.5	9.1	10.0	9.1	126	37.0
60/64	.0	.0	.3	.0	.9	.3	1.2	.9	12	3.5
TOTAL	0	0	5	15	36	71	108	106	341	100.0
PCT	.0	.0	1.5	4.4	10.6	20.8	31.7	31.1		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
1.4	.7	.6	.0	.0	1.2	.0	.6	.0	.0
20.4	6.1	4.6	4.3	1.0	4.4	4.4	7.6	.0	.3
1.1	3.5	8.3	13.0	4.8	3.4	1.8	.4	.0	.6
.0	.0	.0	.0	2.2	1.0	.0	.3	.0	.0
22.9	12.3	13.5	17.3	8.0	10.0	6.2	8.9	.0	.9

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00&03	77	76	76	71	67	64	64	71.0	79
06&09	74	73	73	70	64	62	62	69.2	108
12&15	74	73	73	69	65	64	64	69.3	85
18&21	78	77	75	71	65	62	62	70.8	127
TOT	78	77	74	70	65	62	62	70.1	399

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-39	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00&03	.0	7.9	10.5	26.3	30.3	25.0	80	76
06&09	.0	5.2	10.3	22.7	30.9	30.9	82	97
12&15	.0	3.8	9.0	19.2	33.3	34.6	82	78
18&21	.0	5.9	12.9	16.8	30.7	33.7	82	101
TOT	0	20	38	74	110	110	82	352

AUGUST

PERIOD: (PRIMARY) 1951-197/
(OVER-ALL) 1873-1977

AREA 0019 PITCAIRN ISLAND
24.9S 130.0W

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	61 64	65 68	69 72	73 76	77 80	TOT	W FOG	WO FOG
14/16	.0	.0	.0	.0	.3	1	.0	.3
7/8	.0	.0	.0	.6	.3	3	.0	1.0
6	.0	.0	.0	.3	.0	1	.0	.3
5	.0	.0	.3	1.9	.0	7	.0	2.3
4	.0	.0	.0	.6	.3	3	.0	1.0
3	.0	.0	.6	3.9	.0	14	.0	4.5
2	.0	.0	5.2	3.9	.0	28	.3	8.8
1	.0	.0	7.1	3.6	.0	33	.0	10.7
0	.3	.6	13.0	1.9	.0	49	.0	15.9
-1	.0	1.6	6.2	1.6	.0	29	.0	9.4
-2	.0	5.2	8.8	1.0	.0	46	.0	14.9
-3	.0	6.2	4.5	.0	.0	33	.0	10.7
-4	.0	3.6	2.6	.0	.0	19	.0	6.2
-5	.6	4.5	.3	.0	.0	17	.0	5.5
-6	.3	2.9	.3	.0	.0	11	.0	3.6
-7/-8	.3	1.6	.0	.0	.0	6	.0	1.9
-9/-10	1.6	.3	.0	.0	.0	6	.0	1.9
-11/-14	.6	.0	.0	.0	.0	2	.0	.6
TOTAL	12	82	151	60	3	308	1	307
PCT	3.9	26.6	49.1	19.5	.9	100.0	.3	99.7

PERIOD: (OVER-ALL) 1963-1977

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	4.7	.0	.0	.0	.0	4.7
1-2	.0	5.5	1.3	.0	.0	.0	6.9
3-4	.0	.0	2.2	.0	.0	.0	2.2
5-6	.0	.0	4.3	.5	.0	.0	4.8
7	.0	.7	6.0	.4	.0	.0	7.1
8-9	.0	.0	.0	.7	.0	.0	.7
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	10.9	13.8	1.6	.0	.0	26.3

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	1.1	.0	.0	.0	.0	1.1
1-2	.0	2.2	3.5	.0	.0	.0	5.6
3-4	.0	.7	2.6	.0	.0	.0	3.4
5-6	.0	.0	1.9	.0	.0	.0	1.9
7	.0	.0	1.0	.0	.0	.0	1.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	4.0	9.0	.0	.0	.0	13.0

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	2.5	1.3	.0	.0	.0	3.8
3-4	.0	1.7	3.2	.0	.0	.0	4.9
5-6	.0	2.3	2.8	.5	.0	.0	5.5
7	.0	.0	.5	.0	.0	.0	.5
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.4	.5	.0	.0	.8
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	6.5	8.2	1.0	.0	.0	15.6

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	1.9	2.4	.0	.0	.0	4.3
3-4	.0	1.9	2.5	.5	.0	.0	4.9
5-6	.0	.6	2.9	1.0	.0	.0	4.4
7	.0	.5	.5	.5	.0	.0	1.4
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.6	.0	.0	.0	.6
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	4.9	6.9	1.9	.0	.0	15.7

PERIOD: (OVER-ALL) 1963-1977

AUGUST

AREA 0019 PITCAIRN ISLAND
24.9S 130.0W

TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

S

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	1.9	.0	.0	.0	.0	1.9
1-2	.0	.8	.0	.0	.0	.0	.8
3-4	.0	.5	.8	.0	.0	.0	1.3
5-6	.0	.0	1.2	.0	.0	.0	1.2
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.8	.0	.0	.8
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	3.2	2.0	.8	.0	.0	6.1

SW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	1.0	.0	.0	.0	.0	.0	1.0
1-2	.0	1.1	1.1	.0	.0	.0	2.2
3-4	.0	1.0	1.0	.0	.0	.0	1.9
5-6	.0	.0	.2	.0	.0	.0	.2
7	.0	.0	1.0	.0	.0	.0	1.0
8-9	.0	.0	.0	.1	.0	.0	.1
10-11	.0	.0	.0	1.0	.0	.0	1.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.0	2.0	3.2	1.1	.0	.0	7.3

W

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.4	.0	.0	.0	.0	.4
1-2	.0	.7	1.2	.0	.0	.0	1.9
3-4	.0	.0	1.0	.5	.0	.0	1.4
5-6	.0	.0	.5	.0	.0	.0	.5
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	1.1	2.6	.5	.0	.0	4.2

NW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	.0	2.5	.0	.0	.0	.0	2.5	
1-2	.0	2.0	1.2	.0	.0	.0	3.2	
3-4	.0	1.0	1.6	.0	.0	.0	2.5	
5-6	.0	.0	1.1	.0	.0	.0	1.1	
7	.0	.2	.7	.1	.0	.0	1.1	
8-9	.0	.0	.0	.2	.0	.0	.2	
10-11	.0	.0	.0	.5	.0	.0	.5	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.0	5.8	4.6	.8	.0	.0	11.2	99.5

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	3.3	10.2	.0	.0	.0	.0	13.5	
1-2	.5	17.2	11.6	.0	.0	.0	29.8	
3-4	.0	6.5	14.4	.9	.0	.0	21.9	
5-6	.0	2.8	14.4	1.9	.0	.0	19.1	
7	.0	1.4	9.3	.9	.0	.0	11.6	
8-9	.0	.0	.0	1.9	.0	.0	1.9	
10-11	.0	.0	.9	1.9	.0	.0	2.8	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
								215
TOT PCT	3.7	38.1	50.7	7.4	.0	.0	100.0	

PERIOD: (OVER-ALL) 1950-1977

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	.4	5.7	5.3	4.5	5.7	2.3	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	65	5
6-7	.0	1.5	3.0	3.8	6.8	1.9	1.1	.4	.4	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	51	6
8-9	.0	2.3	9.4	6.4	9.1	1.1	3.8	1.1	.4	.4	.4	.0	.0	.0	.0	.0	.0	.0	.0	91	6
10-11	.0	.8	.0	.8	1.1	1.5	.4	.0	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	13	7
12-13	.0	.0	.4	.8	1.5	.0	1.1	.8	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	13	8
>13	.0	.0	.0	.4	1.1	.0	.0	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5	8
INDET	.8	.8	.8	2.3	1.9	1.9	1.5	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	27	6
TOTAL	3	29	50	50	72	23	23	6	5	3	1	0	0	0	0	0	0	0	0	265	6
PCT	1.1	10.9	18.9	18.9	27.2	8.7	8.7	2.3	1.9	1.1	.4	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

SEPTEMBER

PERIOD: (PRIMARY) 1948-1977
(OVER-ALL) 1872-1977

AREA 0019 PITCAIRN ISLAND
24.9S 129.9W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
N	7.5	6.3	.0	.0	.0	.0	.0	13.8	2.5	.0	.0	.0	.0		.0	83.6
NE	11.4	2.3	.0	.0	.0	.0	.0	13.7	3.4	2.3	.0	.0	.0		.0	82.9
E	1.8	.0	1.4	.0	.0	.0	.0	3.2	4.5	.0	1.8	.0	.0		.0	90.5
SE	1.0	4.0	6.6	.0	.0	.0	.0	11.6	2.0	.0	2.0	.0	.0		.0	84.3
S	2.2	4.3	.0	.0	.0	.0	.0	6.5	.0	.0	.0	.0	.0		.0	93.5
SW	4.0	.8	.0	.0	.0	.0	.0	4.8	.0	.0	.0	.0	.0		.0	95.2
W	5.2	17.2	.0	.0	.0	.0	.0	22.4	6.9	6.9	.0	.0	.0		.0	63.8
NW	11.1	6.5	3.7	.0	.0	.0	.0	21.3	.0	.0	.0	.0	.0		.0	78.7
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	100.0
TOT PCT	5.2	3.8	1.7	.0	.0	.0	.0	10.8	2.4	.7	.7	.0	.0		.0	85.7
TOT OBS:	287															

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
00&03	4.6	4.9	7.7	.0	.0	.0	.0	16.9	4.6	.0	.0	.0	.0		.0	78.5
06&09	7.3	3.7	.0	.0	.0	.0	.0	11.0	.0	1.2	1.2	.0	.0		.0	87.8
12&15	6.8	3.4	.0	.0	.0	.0	.0	10.2	3.4	1.7	.0	.0	.0		.0	84.7
18&21	2.2	3.3	3.3	.0	.0	.0	.0	8.9	2.2	.0	1.1	.0	.0		.0	87.8
TOT PCT	5.1	3.7	2.7	.0	.0	.0	.0	11.5	2.4	.7	.7	.0	.0		.0	85.1
TOT OBS:	296															

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	WIND SPEED (KNOTS)									HOUR (GMT)							
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	.5	6.5	5.8	1.9	.0	.0		14.7	12.0	16.7	37.5	13.7	8.7	14.5	.0	15.9	14.8
NE	.6	5.0	7.9	.8	.0	.0		14.3	12.1	16.3	.0	17.3	13.5	17.6	33.3	8.4	10.2
E	.6	6.0	9.1	2.6	.0	.0		18.3	13.7	17.0	.0	18.0	19.2	17.6	.0	23.1	14.1
SE	.3	5.8	8.4	2.2	.3	.0		17.0	14.0	20.8	.0	14.1	30.8	12.5	.0	13.0	25.0
S	.0	4.0	4.1	.2	.0	.0		8.4	12.1	4.5	37.5	7.7	7.7	9.4	25.0	10.4	8.6
SW	.0	3.9	3.3	3.9	.3	.0		11.4	16.3	5.9	12.5	15.1	11.5	16.4	41.7	9.4	7.0
W	.0	2.4	2.2	1.3	.6	.0		6.4	16.7	9.0	.0	6.0	.0	3.5	.0	7.5	10.9
NW	.4	3.4	3.5	1.5	.0	.0		8.7	13.4	9.7	12.5	6.7	8.7	5.5	.0	12.3	9.4
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.9							.9	.0	.0	.0	1.4	.0	3.1	.0	.0	.0
TOT OBS	11	128	154	50	4	0	347		13.5	72	2	71	26	64	3	77	32
TOT PCT	3.2	36.9	44.4	14.4	1.2	.0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

	WIND SPEED (KNOTS)								HOUR (GMT)			
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	06 09	12 15	18 21
N	3.0	8.6	3.0	.0	.0		14.7	16.0	17.2	12.4	13.8	15.6
NE	1.2	10.6	2.4	.0	.0		14.3	12.1	15.9	16.2	18.3	8.9
E	3.3	8.4	6.1	.5	.0		18.3	18.7	16.6	18.3	16.8	20.4
SE	1.6	8.5	6.6	.4	.0		17.0	14.0	20.3	18.6	11.9	16.5
S	1.5	4.5	2.3	.0	.0		8.4	12.1	5.4	7.7	10.1	9.9
SW	1.7	3.7	5.7	.4	.0		11.4	16.3	6.1	14.2	17.5	8.7
W	1.1	2.6	1.4	1.4	.0		6.4	16.7	8.8	4.4	3.4	8.5
NW	1.0	5.2	2.2	.3	.0		8.7	14.4	9.8	7.2	5.2	11.5
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	.9						.9	.0	.0	1.0	3.0	.0
TOT OBS	53	181	103	10	0	347		13.5	74	97	67	109
TOT PCT	15.3	52.2	29.7	2.9	.0		100.0		100.0	100.0	100.0	100.0

SEPTEMBER

PERIOD: (PRIMARY) 1948-1977
(OVER-ALL) 1872-1977

AREA 0019 PITCAIRN ISLAND
24.9S 129.9W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS) 1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00&03	.0	.0	33.8	47.3	17.6	1.4	.0	14.9	100.0	74
06&09	1.0	3.1	40.2	39.2	13.4	3.1	.0	13.3	100.0	97
12&15	3.0	3.0	41.8	35.8	16.4	.0	.0	12.3	100.0	67
18&21	.0	2.8	33.0	52.3	11.9	.0	.0	13.4	100.0	109
TOT	3	8	128	154	50	4	0	13.5		347
PCT	.9	2.3	36.9	44.4	14.4	1.2	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	3.1	1.9	5.5	3.8		5.1
NE	4.8	2.9	4.6	3.8		4.7
E	2.6	3.8	7.7	5.8		5.7
SE	2.3	3.6	6.6	3.2		5.1
S	1.4	3.0	2.8	.0		4.0
SW	1.7	4.1	4.3	1.7		4.6
W	.7	1.2	1.3	2.4		5.5
NW	2.6	.8	2.8	2.4		5.0
VAR	.0	.0	.0	.0		.0
CALM	.4	.0	.4	.4		4.6
TOT OBS	48	52	88	57	245	5.0
TOT PCT	19.6	21.2	35.9	23.3	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT,NH >4/8) AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

WND DIR	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	TOTAL OBS
N	.0	.0	.4	1.0	2.3	.8	.2	.0	.0	.3	8.9	
NE	.0	.0	.0	1.2	1.7	1.4	.8	.0	.0	.1	10.7	
E	.0	.0	.0	2.3	3.5	.9	1.0	.0	.0	.4	11.6	
SE	.0	.0	.4	2.1	2.6	.9	.4	.0	.0	.0	9.3	
S	.0	.0	.0	.0	1.2	.6	.2	.0	.0	.0	5.1	
SW	.0	.0	.1	.1	.8	1.4	1.2	.0	.0	.0	8.2	
W	.0	.0	.3	1.0	.4	.6	.0	.0	.0	.0	3.4	
NW	.4	.0	.0	1.9	.9	.2	.2	.0	.0	.0	4.9	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.0	.0	.0	.4	.0	.0	.0	.0	.0	.8	
TOT OBS	1	0	3	24	34	17	10	0	0	2	154	245
TOT PCT	.4	.0	1.2	9.8	13.9	6.9	4.1	.0	.0	.8	62.9	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) * OR >10	* OR >5	* OR >2	* OR >1	* OR >1/2	* OR >1/4	* OR >50YD	* OR >0
* OR >6500	.8	.8	.8	.8	.8	.8	.8	.8
* OR >4000	.8	.8	.8	.8	.8	.8	.8	.8
* OR >3500	3.5	4.7	4.7	4.7	4.7	4.7	4.7	4.7
* OR >2000	8.7	11.8	11.8	11.8	11.8	11.8	11.8	11.8
* OR >1000	18.5	25.2	25.6	25.6	25.6	25.6	25.6	25.6
* OR >600	22.8	34.3	35.0	35.4	35.4	35.4	35.4	35.4
* OR >300	23.2	35.0	36.2	36.6	36.6	36.6	36.6	36.6
* OR >150	23.2	35.0	36.2	36.6	36.6	36.6	36.6	36.6
* OR > 0	23.2	35.0	36.6	37.0	37.0	37.0	37.0	37.0
TOTAL	59	89	93	94	94	94	94	94

TOTAL NUMBER OF OBS: 254 PCT FREQ NH <5/8: 63.0

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8 OBSCD	TOTAL OBS
2.7	14.1	20.0	15.7	10.2	5.9	5.9	8.6	16.9	.0	255

SEPTEMBER

PERIOD: (PRIMARY) 1948-1977
(OVER-ALL) 1872-1977

AREA 0019 PITCAIRN ISLAND
24.9S 129.9W

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
<1/2	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	NO PCP	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.3	
	TOT %	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.3	
	PCP	.0	.0	.0	.0	.0	.1	.3	.0	.0	.0	.3	
1<2	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.1	.3	.0	.0	.0	.3	
	PCP	.0	.0	.0	.3	.0	.3	.0	.7	.0	.0	1.4	
2<5	NO PCP	.0	.0	.7	.0	.0	.0	.0	.0	.0	.3	1.0	
	TOT %	.0	.0	.7	.3	.0	.3	.0	.7	.0	.3	2.4	
	PCP	1.6	1.4	.6	1.7	.5	.1	.5	1.3	.0	.0	7.7	
5<10	NO PCP	.2	3.1	3.4	2.5	1.2	1.0	1.0	1.7	.0	.0	14.3	
	TOT %	1.7	4.5	4.0	4.2	1.7	1.1	1.6	3.0	.0	.0	22.0	
	PCP	.3	.7	.0	.0	.0	.0	.3	.0	.0	.0	1.4	
10+	NO PCP	11.8	10.0	14.6	12.4	6.3	9.2	2.9	5.7	.0	.7	73.5	
	TOT %	12.1	10.7	14.6	12.4	6.3	9.2	3.2	5.7	.0	.7	74.9	
	TOT OBS												287
	TOT PCT	13.9	15.2	19.3	17.2	8.0	10.8	5.1	9.4	.0	1.0	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
<1/2	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.3	.0	.0	.0	.0	.0		.3	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.3	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.1	.3	.0	.0		.3	
	TOT %	.0	.0	.0	.0	.0	.1	.3	.0	.0	.0	.3	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.3	
2<5	4-10	.0	.0	.0	.3	.0	.0	.0	.0	.0		.3	
	11-21	.0	.0	.7	.0	.0	.0	.0	.0	.0		.7	
	22+	.0	.0	.0	.0	.0	.3	.0	.7	.0		1.0	
	TOT %	.0	.0	.7	.3	.0	.3	.0	.7	.0	.3	2.4	
	0-3	.0	.3	.3	.0	.0	.0	.0	.3	.0	.0	1.0	
5<10	4-10	.2	1.4	1.0	1.9	.9	.6	1.0	.6	.0		7.7	
	11-21	.5	2.4	1.3	1.1	.9	.2	.5	1.4	.0		8.4	
	22+	1.0	.3	1.3	1.1	.0	.3	.0	.7	.0		4.9	
	TOT %	1.7	4.5	4.0	4.2	1.7	1.1	1.6	3.0	.0	.0	22.0	
	0-3	.6	.3	.0	.3	.0	.0	.0	.1	.0	.7	2.1	
10+	4-10	5.6	4.3	5.0	3.3	2.5	2.5	1.2	3.1	.0		27.5	
	11-21	5.1	5.7	8.4	6.8	3.5	3.5	1.0	2.0	.0		35.9	
	22+	.9	.4	1.3	1.9	.3	3.2	1.0	.4	.0		9.4	
	TOT %	12.1	10.7	14.6	12.4	6.3	9.2	3.2	5.7	.0	.7	74.9	
	TOT OBS												287
	TOT PCT	13.9	15.2	19.3	17.2	8.0	10.8	5.1	9.4	.0	1.0	100.0	

SEPTEMBER

PERIOD: (PRIMARY) 1948-1977
(OVER-ALL) 1872-1977

AREA 0019 PITCAIRN ISLAND
24.9S 129.9W

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET,NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00&03	.0	.0	1.5	13.8	18.5	3.1	4.6	.0	.0	.0	41.5	58.5	65
06&09	1.7	.0	.0	6.7	11.7	6.7	5.0	.0	.0	1.7	33.3	66.7	60
12&15	.0	.0	.0	6.9	10.3	10.3	3.4	.0	.0	1.7	32.8	67.2	58
18&21	.0	.0	2.8	11.3	14.1	8.5	2.8	.0	.0	.0	39.4	60.6	71
TOT	1	0	3	25	35	18	10	0	0	2	94	160	254
PCT	.4	.0	1.2	9.8	13.8	7.1	3.9	.0	.0	.8	37.0	63.0	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00&03	.0	.0	1.5	1.5	15.4	81.5	65
06&09	.0	.0	.0	6.1	28.0	65.9	82
12&15	.0	.0	.0	.0	15.3	84.7	59
18&21	.0	1.1	.0	1.1	24.4	73.3	90
TOT	0	1	1	7	64	223	296
PCT	.0	.3	.3	2.4	21.6	75.3	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET,NH >4/8),BY HOUR

HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL OBS
00&03	.0	1.5	15.4	26.2	58.5	65
06&09	1.7	1.7	15.0	23.3	61.7	60
12&15	.0	.0	6.9	25.9	67.2	58
18&21	.0	2.8	14.1	25.4	60.6	71
TOT	1	4	33	64	157	254
PCT	.4	1.6	13.0	25.2	61.8	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
80/84	.0	.0	.0	.0	.3	.0	.0	.0	1	.3
75/79	.0	.0	.0	.7	.3	2.4	.3	.3	12	4.1
70/74	.0	.3	.0	.7	5.8	9.2	19.4	12.2	140	47.6
65/69	.0	.3	.0	4.1	8.2	14.6	9.2	7.8	130	44.2
60/64	.0	.0	.0	.0	1.7	.7	.7	.7	11	3.7
TOTAL	0	2	0	16	48	79	87	62	294	100.0
PCT	.0	.7	.0	5.4	16.3	26.9	29.6	21.1		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
.0	.3	.0	.0	.0	.0	.0	.0	.0	.0
.7	1.2	.3	.7	.3	.1	.0	.9	.0	.0
12.2	11.7	8.9	2.1	1.0	1.4	2.8	6.7	.0	.7
2.6	2.0	8.0	11.1	6.5	9.6	2.9	1.1	.0	.3
.0	.0	.3	1.8	.3	1.4	.0	.0	.0	.0
15.6	15.3	17.5	15.6	8.2	12.4	5.7	8.7	.0	1.0

TABLE 15

MEANS,EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00&03	81	80	76	71	64	63	63	70.8	77
06&09	74	73	73	69	65	63	63	69.1	98
12&15	74	73	73	69	65	62	62	68.6	68
18&21	81	78	76	71	66	52	52	70.5	110
TOT	81	78	75	70	65	63	52	69.8	353

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00&03	.0	8.1	17.6	28.4	27.0	18.9	78	74
06&09	.0	2.6	9.2	30.3	40.8	17.1	80	76
12&15	.0	1.5	20.6	23.5	25.0	29.4	80	68
18&21	.0	10.5	18.6	25.6	25.6	19.8	77	86
TOT	0	18	50	82	90	64	79	304

SEPTEMBER

PERIOD: (PRIMARY) 1948-1977
(OVER-ALL) 1872-1977

AREA 0019 PITCAIRN ISLAND
24.9S 129.9W

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	61 64	65 68	69 72	73 76	77 80	81 84	TOT	W FOG	WO FOG
5	.0	.0	.0	1.9	.4	.4	7	.0	2.7
4	.0	.0	.4	1.1	.0	.0	4	.0	1.5
3	.0	.0	1.5	1.9	.0	.0	9	.0	3.4
2	.0	.4	1.5	3.4	.0	.0	14	.0	5.3
1	.0	.4	5.0	3.8	.0	.0	24	.0	9.2
0	.0	.4	4.6	6.5	.0	.0	30	.0	11.5
-1	.0	2.7	12.6	.4	.0	.0	41	.4	15.3
-2	.0	2.3	8.4	.0	.0	.0	28	.0	10.7
-3	.4	8.0	4.2	.0	.0	.0	33	.0	12.6
-4	.4	5.0	3.1	.0	.0	.0	22	.0	8.4
-5	.4	8.8	.8	.0	.0	.0	26	.4	9.5
-6	.8	3.8	.8	.0	.0	.0	14	.0	5.3
-7/-8	.8	1.5	.4	.0	.0	.0	7	.0	2.7
-9/-10	.8	.4	.0	.0	.0	.0	3	.0	1.1
TOTAL	9	88	113	50	1	1	262	2	260
PCT	3.4	33.6	43.1	19.1	.4	.4	100.0	.8	99.2

PERIOD: (OVER-ALL) 1963-1977

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	1.5	.0	.0	.0	.0	1.5
1-2	.6	1.7	.6	.0	.0	.0	2.8
3-4	.0	1.9	3.1	.6	.0	.0	5.6
5-6	.0	.0	.7	.0	.0	.0	.7
7	.0	.0	.7	1.5	.0	.0	2.2
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.6	5.0	5.2	2.0	.0	.0	12.8

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	4.3	2.4	.0	.0	.0	6.7
3-4	.0	3.1	.7	.0	.0	.0	3.9
5-6	.0	.0	3.1	.0	.0	.0	3.1
7	.0	.0	.0	.7	.0	.0	.7
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.2	.0	.0	.0	.2
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	7.4	6.5	.7	.0	.0	14.6

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	5.0	1.5	.0	.0	.0	6.5
3-4	.0	1.3	5.7	.0	.0	.0	7.0
5-6	.0	.0	2.8	.7	.0	.0	3.5
7	.0	.0	3.0	1.3	.0	.0	4.3
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	1.3	.0	.0	.0	1.3
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.6	.0	.0	.6
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	6.3	14.3	2.6	.0	.0	23.1

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.9	.0	.0	.0	.0	.9
3-4	.7	3.1	5.4	.0	.0	.0	9.3
5-6	.0	.0	.9	.7	.0	.0	1.7
7	.0	.0	.7	2.4	.0	.0	3.1
8-9	.0	.0	1.5	.7	.0	.0	2.2
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.7	.0	.0	.7
13-16	.0	.0	.0	.2	.0	.0	.2
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.7	.0	.7
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.7	4.1	8.5	4.8	.7	.0	18.9

PERIOD: (OVER-ALL) 1963-1977 SEPTEMBER AREA 0019 PITCAIRN ISLAND

TABLE 18 (CONT) 24.9S 129.9W

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

	S							SW						
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.7	.0	.0	.0	.0	.7
3-4	.0	.7	1.5	.0	.0	.0	2.2	.0	.7	.7	.0	.0	.0	1.5
5-6	.0	1.3	.6	.0	.0	.0	1.9	.0	.2	.7	.0	.0	.0	.9
7	.0	.0	2.4	.0	.0	.0	2.4	.0	.0	2.0	1.5	.0	.0	3.5
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	.0	.0	.7
10-11	.0	.0	.7	.0	.0	.0	.7	.0	.0	.0	2.4	.0	.0	2.4
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.5	.0	.7	.0	2.2
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	.0	.0	.0	.7
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	2.0	5.2	.0	.0	.0	7.2	.0	1.7	5.7	4.6	.7	.0	12.8

	W							NW							TOTAL
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	PCT
<1	.0	.0	.0	.0	.0	.0	.0	.7	.0	.0	.0	.0	.0	.7	
1-2	.0	.7	.0	.0	.0	.0	.7	.2	.7	.7	.0	.0	.0	1.7	
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.2	.6	.2	.0	.0	.9	
5-6	.0	.0	.7	.0	.0	.0	.7	.0	.0	.7	.0	.0	.0	.7	
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	1.5	.0	.0	2.2	
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.6	.0	.0	.6	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.0	.7	.7	.6	.0	.0	2.0	.9	.9	2.8	1.7	.0	.0	6.3	97.8

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	2.2	1.4	.0	.0	.0	.0	3.6	
1-2	1.4	14.5	5.1	.0	.0	.0	21.0	
3-4	1.4	10.9	17.4	.7	.0	.0	30.4	
5-6	.7	1.4	10.1	1.4	.0	.0	13.8	
7	.0	.0	9.4	8.7	.0	.0	18.1	
8-9	.0	.0	1.4	1.4	.0	.0	2.9	
10-11	.0	.0	2.2	2.9	.0	.0	5.1	
12	.0	.0	1.4	.7	.7	.0	2.9	
13-16	.0	.0	.7	.7	.0	.0	1.4	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.7	.0	.7	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	5.8	28.3	47.8	16.7	1.4	.0	100.0	138

PERIOD: (OVER-ALL) 1950-1977 TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	.5	3.0	5.6	3.5	5.1	1.5	1.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	41	5
6-7	.0	1.5	3.5	6.1	4.5	1.0	8.6	2.0	2.0	.5	.5	.0	.0	.0	.0	.0	.0	.0	.0	60	8
8-9	.0	.0	1.5	5.6	4.5	4.5	3.5	2.0	3.5	.5	.5	.5	.0	.0	.0	.0	.0	.0	.0	53	9
10-11	.0	.5	.0	.0	1.0	3.0	2.5	.5	1.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	18	9
12-13	.0	.0	.5	.0	.5	.0	2.5	.5	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	9	9
>13	.0	.0	.0	.5	.0	1.0	.0	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4	9
INDET	1.0	.0	1.5	.5	1.0	1.0	.5	.5	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	13	6
TOTAL	3	10	25	32	33	24	38	11	17	2	2	1	0	0	0	0	0	0	0	198	8
PCT	1.5	5.1	12.6	16.2	16.7	12.1	19.2	5.6	8.6	1.0	1.0	.5	.0	.0	.0	.0	.0	.0	.0	100.0	

OCTOBER

PERIOD: (PRIMARY) 1948-1977
(OVER-ALL) 1879-1977

AREA 0019 PITCAIRN ISLAND
25.0S 129.9W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
N	13.3	3.1	5.5	.0	.0	.0	.0	21.9	1.6	4.7	1.6	.0	.0		.0	75.0
NE	1.0	4.8	3.9	.0	.0	.0	.0	9.7	.0	1.0	.0	.0	.0		.0	90.3
E	.8	4.6	1.7	.0	.0	.0	.0	6.7	.0	1.7	.0	.0	1.7		.0	89.9
SE	1.0	3.9	5.9	.0	.0	.0	.0	10.8	.0	.0	.0	.0	.0		.0	89.2
S	.0	.0	.0	.0	.0	.0	.0	.0	5.5	.0	.0	.0	.0		.0	94.5
SW	17.4	8.7	.0	.0	.0	.0	.0	26.1	.0	.0	.0	.0	.0		.0	73.9
W	8.9	.0	8.9	.0	.0	.0	.0	8.9	.0	.0	.0	.0	.0		.0	91.1
NW	1.5	.0	7.4	.0	.0	.0	.0	8.8	8.8	.0	2.9	.0	.0		.0	79.4
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	16.7		.0	83.3
TOT PCT	3.5	3.5	3.9	.0	.0	.0	.0	10.5	1.2	1.2	.4	.0	.8		.0	86.8
TOT OBS:	258															

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
00&03	1.9	.0	1.9	.0	.0	.0	.0	3.7	3.7	.0	.0	.0	.0		.0	92.6
06&09	3.6	3.6	5.4	.0	.0	.0	.0	10.7	.0	3.6	3.6	.0	3.6		.0	80.4
12&15	.0	1.6	3.2	.0	.0	.0	.0	4.8	1.6	.0	.0	.0	.0		.0	93.7
18&21	6.4	6.4	4.3	.0	.0	.0	.0	17.0	.0	1.1	.0	.0	.0		.0	83.0
TOT PCT	3.4	3.4	3.7	.0	.0	.0	.0	10.1	1.1	1.1	.7	.0	.7		.0	86.9
TOT OBS:	267															

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	WIND SPEED (KNOTS)									HOUR (GMT)							
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	.2	5.8	6.3	.0	.3	.0		12.6	11.7	6.1	25.0	10.6	19.0	9.2	41.7	17.1	13.0
NE	.7	10.7	6.8	.3	.0	.0		18.4	10.3	16.0	25.0	19.1	7.0	25.0	25.0	19.5	12.0
E	.3	12.0	12.0	.5	.0	.0		24.8	11.6	26.6	50.0	29.8	26.0	23.2	.0	23.9	18.5
SE	.3	6.4	10.4	2.1	.0	.0		19.2	13.5	31.6	.0	10.1	16.0	18.4	.0	14.7	31.5
S	1.2	3.7	1.9	.2	.0	.0		7.1	9.1	3.3	.0	4.8	14.0	9.6	.0	8.4	3.7
SW	.0	2.7	2.5	.0	.0	.0		5.2	11.9	.4	.0	11.2	8.0	.0	.0	5.3	16.7
W	.0	3.0	1.1	.0	.0	.0		4.0	8.6	5.7	.0	8.0	.0	4.0	.0	2.9	1.9
NW	.0	4.3	1.4	.3	.0	.0		5.9	10.3	5.3	.0	2.1	6.0	7.7	33.3	7.1	2.8
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	2.7							2.7	.0	4.9	.0	4.3	4.0	2.9	.0	1.1	.0
TOT OBS	18	159	139	11	1	0	328		11.1	61	2	47	25	68	3	95	27
TOT PCT	5.5	48.5	42.4	3.4	.3	.0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

	WIND SPEED (KNOTS)								HOUR (GMT)			
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	06 09	12 15	18 21
N	2.8	6.9	2.6	.3	.0		12.6	11.7	6.7	13.5	10.6	16.2
NE	4.0	13.4	.8	.3	.0		18.4	10.3	16.3	14.9	25.0	17.8
E	3.6	16.8	4.3	.2	.0		24.8	11.6	27.4	28.5	22.2	22.7
SE	1.6	11.9	5.6	.2	.0		19.2	13.5	30.6	12.2	17.6	18.4
S	2.1	4.6	.4	.0	.0		7.1	9.1	3.2	8.0	9.2	7.4
SW	.8	2.9	1.5	.0	.0		5.2	11.9	.4	10.1	.0	7.8
W	1.3	2.7	.0	.0	.0		4.0	8.6	5.6	5.2	3.9	2.7
NW	1.2	3.7	1.1	.0	.0		5.9	10.3	5.2	3.5	8.8	6.1
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	2.7						2.7	.0	4.8	4.2	2.8	.8
TOT OBS	66	206	53	3	0	328		11.1	63	72	71	122
TOT PCT	20.1	62.8	16.2	.9	.0		100.0		100.0	100.0	100.0	100.0

OCTOBER

PERIOD: (PRIMARY) 1948-1977
(OVER-ALL) 1879-1977

AREA 0019 PITCAIRN ISLAND
25.0S 129.9W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS) 1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00&03	4.8	.0	36.5	50.8	7.9	.0	.0	12.5	100.0	63
06&09	4.2	4.2	55.6	34.7	1.4	.0	.0	9.7	100.0	72
12&15	2.8	4.2	53.5	35.2	4.2	.0	.0	10.5	100.0	71
18&21	.8	2.5	47.5	46.7	1.6	.8	.0	11.4	100.0	122
TOT	9	9	159	139	11	1	0	11.1		328
PCT	2.7	2.7	48.5	42.4	3.4	.3	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	2.5	.8	6.5	3.4		5.6
NE	5.6	5.5	5.9	4.7		4.6
E	7.5	5.6	6.6	2.8		4.1
SE	2.2	5.4	6.2	4.2		5.2
S	1.8	.9	2.7	1.4		4.9
SW	.0	2.3	1.1	.1		4.4
W	1.4	.8	1.3	1.3		4.7
NW	.6	1.5	2.2	2.2		5.7
VAR	.0	.0	.0	.0		.0
CALM	.9	.9	.9	.0		3.0
TOT OBS	48	51	71	43	213	4.8
TOT PCT	22.5	23.9	33.3	20.2	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT,NH >4/8) AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

WND DIR	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	TOTAL OBS
N	.0	.0	.4	.9	2.1	1.2	1.4	.0	.0	.0	7.6	
NE	.0	.5	.0	.0	3.1	.5	1.5	.0	.0	.0	16.2	
E	.0	.0	.0	.9	2.1	.5	1.8	.5	.0	.0	16.8	
SE	.0	.0	.0	.9	4.2	2.5	.9	.0	.0	.0	9.5	
S	.0	.0	.0	.9	1.4	.8	.0	.0	.0	.0	3.6	
SW	.0	.0	.0	.5	.1	.6	.0	.0	.0	.0	2.3	
W	.0	.0	.0	.0	.8	.4	.0	.0	.0	.0	3.6	
NW	.0	.0	.6	.9	.7	.7	.0	.0	.0	.0	3.6	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.0	.0	.0	.5	.0	.0	.0	.0	.0	2.3	
TOT OBS	0	1	2	10	32	15	12	1	0	0	140	213
TOT PCT	.0	.5	.9	4.7	15.0	7.0	5.6	.5	.0	.0	65.7	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) * OR >10	* OR >5	* OR >2	* OR >1	* OR >1/2	* OR >1/4	* OR >50YD	* OR >0
* OR >6500	.0	.0	.0	.0	.0	.0	.0	.0
* OR >5000	.5	.5	.5	.5	.5	.5	.5	.5
* OR >3500	5.4	5.9	5.9	5.9	5.9	5.9	5.9	5.9
* OR >2000	12.2	12.7	12.7	12.7	12.7	12.7	12.7	12.7
* OR >1000	24.0	25.8	26.7	27.6	27.6	27.6	27.6	27.6
* OR >600	26.7	29.9	31.7	32.6	32.6	32.6	32.6	32.6
* OR >300	26.7	29.9	32.6	33.5	33.5	33.5	33.5	33.5
* OR >150	27.1	30.3	33.0	33.9	33.9	33.9	33.9	33.9
* OR > 0	27.1	30.3	33.0	33.9	33.9	33.9	33.9	33.9
TOTAL	60	67	73	75	75	75	75	75

TOTAL NUMBER OF OBS: 221

PCT FREQ NH <5/8: 66.1

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8 OBSCD	TOTAL OBS
6.1	13.9	19.1	14.3	11.7	4.3	4.8	9.1	16.5 .0	230

OCTOBER

PERIOD: (PRIMARY) 1948-1977
(OVER-ALL) 1879-1977

AREA 0019 PITCAIRN ISLAND
25.0S 129.9W

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	PCP	.3	.0	.0	.0	.0	.0	.0	.1	.0	.0	.4	
	NO PCP	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	
	TOT %	.7	.0	.0	.0	.0	.0	.0	.1	.0	.0	.8	
2<5	PCP	1.1	.0	.0	.4	.0	.0	.0	.5	.0	.0	1.9	
	NO PCP	.3	.0	.0	.0	.0	.0	.0	.1	.0	.0	.4	
	TOT %	1.4	.0	.0	.4	.0	.0	.0	.6	.0	.0	2.3	
5<10	PCP	1.0	.2	.2	1.4	.0	1.2	.0	.0	.0	.0	3.9	
	NO PCP	1.0	1.0	2.5	1.7	.2	.4	.0	1.6	.0	.4	9.3	
	TOT %	1.9	1.2	2.7	3.1	.2	1.6	.0	1.6	.0	.4	13.2	
10+	PCP	.4	1.7	1.4	.4	.0	.0	.4	.0	.0	.0	4.3	
	NO PCP	8.0	17.2	19.0	15.8	6.3	2.9	4.0	4.4	.0	1.9	79.5	
	TOT %	8.4	18.9	20.3	16.2	6.3	2.9	4.4	4.4	.0	1.9	83.7	
	TOT OBS												258
	TOT PCT	12.4	20.1	23.1	19.7	7.1	4.5	4.4	6.6	.0	2.3	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.3	.0	.0	.0	.0	.0	.0	.1	.0		.4	
	11-21	.4	.0	.0	.0	.0	.0	.0	.0	.0		.4	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.7	.0	.0	.0	.0	.0	.0	.1	.0	.0	.8	
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.3	.0	.0	.0	.0	.0	.0	.5	.0		.8	
	11-21	.7	.0	.0	.4	.0	.0	.0	.1	.0		1.2	
	22+	.4	.0	.0	.0	.0	.0	.0	.0	.0		.4	
	TOT %	1.4	.0	.0	.4	.0	.0	.0	.6	.0	.0	2.3	
5<10	0-3	.0	.0	.4	.0	.0	.0	.0	.0	.0	.4	.8	
	4-10	1.6	1.0	1.0	.6	.6	1.2	.0	1.2	.0		7.0	
	11-21	.4	.2	1.2	1.9	.2	.4	.0	.0	.0		4.3	
	22+	.0	.0	.2	.6	.0	.0	.0	.4	.0		1.2	
	TOT %	1.9	1.2	2.7	3.1	.8	1.6	.0	1.6	.0	.4	13.2	
10+	0-3	.3	.1	.0	.4	.6	.0	.0	.0	.0	1.9	3.5	
	4-10	3.1	10.9	10.5	5.8	3.5	1.3	3.0	2.7	.0		40.7	
	11-21	5.0	7.6	9.5	7.9	1.7	1.6	1.4	1.6	.0		36.4	
	22+	.0	.4	.4	2.0	.3	.0	.0	.0	.0		3.1	
	TOT %	8.4	18.9	20.3	16.2	6.3	2.9	4.4	4.4	.0	1.9	83.7	
	TOT OBS												258
	TOT PCT	12.4	20.1	23.1	19.7	7.1	4.5	4.4	6.6	.0	2.3	100.0	

OCTOBER

PERIOD: (PRIMARY) 1948-1977
(OVER-ALL) 1879-1977

AREA 0019 PITCAIRN ISLAND
25.0S 129.9W

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00&03	.0	.0	.0	.0	18.9	7.5	3.8	.0	.0	.0	30.2	69.8	53
06&09	.0	.0	.0	10.0	15.0	10.0	5.0	2.5	.0	.0	42.5	57.5	40
12&15	.0	.0	1.8	3.5	15.8	5.3	3.5	.0	.0	.0	29.8	70.2	57
18&21	.0	1.3	1.3	6.7	10.7	5.3	8.0	.0	.0	.0	33.3	66.7	75
TOT	0	1	2	11	33	15	12	1	0	0	75	150	225
PCT	.0	.4	.9	4.9	14.7	6.7	5.3	.4	.0	.0	33.3	66.7	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00&03	.0	.0	1.9	.0	.0	98.1	54
06&09	.0	.0	.0	.0	26.8	73.2	56
12&15	.0	.0	1.6	1.6	6.3	90.5	63
18&21	.0	.0	.0	5.3	18.1	76.6	94
TOT	0	0	2	6	36	223	267
PCT	.0	.0	.7	2.2	13.5	83.5	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET, NH >4/8), BY HOUR

HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL OBS
00&03	.0	.0	2.0	29.4	68.6	51
06&09	.0	.0	10.0	32.5	57.5	40
12&15	.0	1.8	7.0	22.8	70.2	57
18&21	.0	2.7	12.3	21.9	65.8	73
TOT	0	3	18	57	146	221
PCT	.0	1.4	8.1	25.8	66.1	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
85/89	.0	.0	.0	.4	.0	.0	.0	.0	1	.4
80/84	.0	.0	.0	.0	.0	1.1	.0	.0	3	1.1
75/79	.0	.0	.0	.0	3.7	8.5	4.1	.4	45	16.7
70/74	.0	.0	.0	1.9	5.6	11.5	21.1	15.9	151	55.9
65/69	.0	.0	.0	1.5	3.7	5.9	7.8	5.6	66	24.4
60/64	.0	.0	.0	.0	.0	.0	.7	.7	4	1.5
TOTAL	0	0	0	10	35	73	91	61	270	100.0
PCT	.0	.0	.0	3.7	13.0	27.0	33.7	22.6		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
.0	.0	.4	.0	.0	.0	.0	.0	.0	.0
.0	.6	.5	.0	.0	.0	.0	.0	.0	.0
3.1	4.5	5.0	.4	.4	.0	.7	2.2	.0	.4
8.5	13.0	13.9	8.3	1.9	2.4	2.3	3.4	.0	2.2
.9	.6	4.7	10.3	4.0	2.2	1.1	.6	.0	.0
.0	.0	.0	1.3	.2	.0	.0	.0	.0	.0
12.5	18.8	24.4	20.3	6.4	4.6	4.2	6.2	.0	2.6

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00&03	85	84	78	72	67	66	66	72.5	66
06&09	75	74	74	71	67	64	64	70.5	72
12&15	76	75	74	70	66	65	65	70.3	75
18&21	84	82	78	73	66	64	63	74.2	120
TOT	85	81	77	71	66	64	63	71.5	333

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00&03	.0	8.2	29.5	24.6	26.2	11.5	75	61
06&09	.0	.0	7.8	17.6	35.3	39.2	84	51
12&15	.0	1.5	4.4	22.1	47.1	25.0	83	68
18&21	.0	4.1	13.3	35.7	26.5	20.4	79	98
TOT	0	10	38	74	92	64	80	278

OCTOBER

PERIOD: (PRIMARY) 1948-1977
(OVER-ALL) 1879-1977

AREA 0019 PITCAIRN ISLAND
25.0S 129.9W

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	61 64	65 68	69 72	73 76	77 80	81 84	85 88	TOT	W FOG	WO FOG
17/19	.0	.0	.0	.0	.0	.0	.4	1	.0	.4
7/8	.0	.0	.4	.0	.4	.0	.0	2	.0	.9
6	.0	.0	.0	.4	.0	.0	.0	1	.0	.4
5	.0	.0	.0	.9	.4	.4	.0	4	.0	1.7
4	.0	.0	.0	.4	.9	.4	.0	4	.0	1.7
3	.0	.0	.4	2.6	.4	.0	.0	8	.0	3.5
2	.0	.0	.9	5.7	1.7	.0	.0	19	.0	8.3
1	.0	.4	2.2	6.1	.4	.0	.0	21	.0	9.2
0	.0	.4	9.2	6.6	.4	.0	.0	38	.0	16.6
-1	.0	.9	9.6	3.1	.0	.0	.0	31	.0	13.5
-2	.0	1.7	11.8	3.1	.0	.0	.0	38	.4	16.2
-3	.9	1.7	4.4	1.3	.0	.0	.0	19	.0	8.3
-4	.0	2.6	3.5	.0	.0	.0	.0	14	.4	5.7
-5	.0	2.2	3.1	.0	.0	.0	.0	12	.0	5.2
-6	.0	2.6	.4	.0	.0	.0	.0	7	.0	3.1
-7/-8	.0	3.1	.0	.0	.0	.0	.0	7	.0	3.1
-9/-10	1.3	.0	.0	.0	.0	.0	.0	3	.0	1.3
TOTAL	5	36	105	69	11	2	1	229	2	227
PCT	2.2	15.7	45.9	30.1	4.8	.9	.4	100.0	.9	99.1

PERIOD: (OVER-ALL) 1963-1977

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.7	.7	.0	.0	.0	.0	1.3
3-4	.0	3.3	.7	.0	.0	.0	4.0
5-6	.0	.0	.9	.0	.0	.0	.9
7	.0	.0	.9	.0	.0	.0	.9
8-9	.0	.0	.0	.0	.9	.0	.9
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.7	4.0	2.5	.0	.9	.0	8.0

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	1.8	.0	.0	.0	.0	1.8
1-2	.2	4.7	1.1	.0	.0	.0	6.0
3-4	.0	4.5	1.8	.0	.0	.0	6.3
5-6	.0	.9	1.8	.0	.0	.0	2.7
7	.0	1.8	2.7	.0	.0	.0	4.5
8-9	.0	.0	.0	.9	.0	.0	.9
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.2	13.6	7.4	.9	.0	.0	22.1

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	7.1	.7	.0	.0	.0	7.8
3-4	.0	4.2	4.5	.0	.0	.0	8.7
5-6	.0	1.8	4.5	.0	.0	.0	6.3
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	13.2	9.6	.0	.0	.0	22.8

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.9	.0	.0	.0	.0	.9
3-4	.0	3.8	3.6	.2	.0	.0	7.6
5-6	.0	.0	1.8	3.6	.0	.0	5.4
7	.0	.0	2.7	.0	.0	.0	2.7
8-9	.0	.0	.9	.0	.0	.0	.9
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	4.7	8.9	3.8	.0	.0	17.4

PERIOD: (OVER-ALL) 1963-1977

OCTOBER

AREA 0019 PITCAIRN ISLAND
25.0S 129.9W

TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

S

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	3.6	1.8	.0	.0	.0	5.4
3-4	.0	.0	.9	.7	.0	.0	1.6
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	3.6	2.7	.7	.0	.0	6.9

SW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	1.8	.0	.0	.0	.0	1.8
3-4	.0	.2	.2	.0	.0	.0	.4
5-6	.0	.0	.9	.0	.0	.0	.9
7	.0	.0	.9	.0	.0	.0	.9
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	2.0	2.0	.0	.0	.0	4.0

W

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	1.8	.0	.0	.0	.0	1.8
3-4	.0	3.3	.7	.0	.0	.0	4.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.9	.0	.0	.0	.9
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	5.1	1.6	.0	.0	.0	6.7

NW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	.0	.0	.9	.0	.0	.0	.9	
1-2	.0	.9	.0	.0	.0	.0	.9	
3-4	.0	3.8	.2	.0	.0	.0	4.0	
5-6	.0	.0	.0	.0	.0	.0	.0	
7	.0	.0	.9	.9	.0	.0	1.8	
8-9	.0	.0	.9	.0	.0	.0	.9	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.0	4.7	2.9	.9	.0	.0	8.5	96.4

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	5.2	1.7	.9	.0	.0	.0	7.8	
1-2	1.7	20.9	3.5	.0	.0	.0	26.1	
3-4	.0	22.6	12.2	.9	.0	.0	35.7	
5-6	.0	2.6	9.6	3.5	.0	.0	15.7	
7	.0	1.7	8.7	.9	.0	.0	11.3	
8-9	.0	.0	1.7	.9	.9	.0	3.5	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	7.0	49.6	36.5	6.1	.9	.0	100.0	115

PERIOD: (OVER-ALL) 1949-1977

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	.0	6.0	9.3	7.1	2.2	4.9	1.6	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	59	5
6-7	.0	1.1	6.6	6.6	4.9	6.0	.0	1.1	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	53	6
8-9	.0	.5	1.6	1.6	7.7	2.2	1.1	1.6	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	32	7
10-11	.0	.5	.0	.5	1.6	1.1	.5	.0	.5	.0	.5	.0	.0	.5	.0	.0	.0	.0	.0	11	12
12-13	.0	.0	.5	1.1	.5	.5	1.1	.5	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	9	8
>13	.0	.0	.0	.0	.0	1.6	.5	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5	9
INDET	.5	.0	1.1	1.1	1.6	1.6	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	13	6
TOTAL	1	15	35	37	34	33	11	9	5	0	1	0	0	1	0	0	0	0	0	182	6
PCT	.5	8.2	19.2	20.3	18.7	18.1	6.0	4.9	2.7	.0	.5	.0	.0	.5	.0	.0	.0	.0	.0	100.0	

NOVEMBER

PERIOD: (PRIMARY) 1933-1977
(OVER-ALL) 1876-1977

AREA 0019 PITCAIRN ISLAND
25.0S 129.9W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

	PRECIPITATION TYPE									OTHER WEATHER PHENOMENA						
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
N	5.5	5.5	3.1	.0	.0	.0	.0	14.1	.0	.0	.0	.0	.0		.0	85.9
NE	3.1	3.1	.0	.0	.0	.0	.0	6.9	3.1	.0	2.3	.0	.0		.0	88.3
E	2.7	0.1	.9	.0	.0	.0	.0	9.8	2.4	.0	.6	.0	.0		.0	87.2
SE	7.4	5.9	6.4	.0	.0	.0	.0	19.7	2.0	2.0	2.0	.0	.0		.0	76.4
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	100.0
SW	13.3	.0	26.7	.0	.0	.0	.0	26.7	.0	.0	6.7	.0	.0		.0	66.7
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.5	.0	.0		.0	95.5
NW	28.9	11.1	.0	.0	.0	.0	.0	40.0	.0	.0	.0	.0	.0		.0	60.0
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0
CALM	.0	25.0	.0	.0	.0	.0	.0	25.0	.0	.0	.0	.0	.0		.0	75.0
TOT PCT	5.0	5.0	2.5	.0	.0	.0	.0	12.1	1.8	.4	1.4	.0	.0		.0	84.6
TOT OBS:	280															

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

	PRECIPITATION TYPE									OTHER WEATHER PHENOMENA						
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
00-03	.0	4.0	2.0	.0	.0	.0	.0	6.0	2.0	.0	.0	.0	.0		.0	92.0
06-09	7.2	5.8	4.3	.0	.0	.0	.0	15.9	.0	1.4	2.9	.0	.0		.0	81.2
12-15	4.2	7.0	2.8	.0	.0	.0	.0	14.1	5.6	1.4	.0	.0	.0		.0	78.9
18-21	6.0	3.0	1.0	.0	.0	.0	.0	10.0	2.0	.0	2.0	.0	.0		.0	86.0
TOT PCT	4.8	4.8	2.4	.0	.0	.0	.0	11.7	2.4	.7	1.4	.0	.0		.0	84.1
TOT OBS:	290															

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	WIND SPEED (KNOTS)									HOUR (GMT)							
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	.3	6.7	5.4	.0	.0	.0		12.3	10.2	18.3	.0	10.2	4.4	10.2	.0	10.8	18.8
NE	1.3	9.1	12.0	.1	.0	.0		22.5	11.5	29.8	.0	18.2	16.2	26.2	12.5	23.1	14.6
E	1.3	10.7	14.0	2.3	.0	.0		28.3	12.7	23.4	.0	33.5	33.8	33.0	37.5	24.7	24.0
SE	.6	5.8	10.8	1.3	.0	.0		18.4	12.8	18.3	.0	19.9	30.9	9.0	.0	23.5	16.7
S	.3	1.6	3.0	.5	.0	.0		5.5	12.8	5.2	.0	4.0	1.5	4.9	50.0	6.5	7.3
SW	.2	1.1	1.8	.3	.0	.0		3.5	12.4	2.0	.0	2.8	5.9	4.6	.0	1.5	5.7
W	.4	2.0	1.2	.3	.0	.0		3.8	9.7	1.6	.0	6.3	2.9	3.7	.0	3.4	6.3
NW	.3	2.4	1.8	.0	.0	.0		4.5	10.4	1.6	.0	2.8	4.4	5.9	.0	6.5	4.7
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	1.1							1.1	.0	.0	.0	2.3	.0	2.5	.0	.0	2.1
TOT OBS	20	139	177	17	0	0	353		11.8	63	0	44	34	81	2	81	48
TOT PCT	5.7	39.4	50.1	4.8	.0	.0		100.0		100.0	.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

	WIND SPEED (KNOTS)								HOUR (GMT)			
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	06 09	12 15	18 21
N	3.0	8.1	1.2	.0	.0		12.3	10.2	18.3	7.7	9.9	13.8
NE	5.1	12.1	5.2	.1	.0		22.5	11.5	29.8	17.3	25.9	20.0
E	5.2	15.7	6.8	.6	.0		28.3	12.7	23.4	33.7	33.1	24.4
SE	3.4	9.6	5.3	.1	.0		18.4	12.8	18.3	24.7	8.7	20.9
S	1.4	2.6	1.1	.3	.0		5.5	12.8	5.2	2.9	6.0	6.8
SW	.7	1.9	.8	.0	.0		3.5	12.4	2.0	4.2	4.5	3.1
W	2.1	1.1	.7	.0	.0		3.8	9.7	1.6	4.8	3.6	4.5
NW	1.0	3.0	.6	.0	.0		4.5	10.4	1.6	3.5	5.7	5.8
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	1.1						1.1	.0	.0	1.2	2.4	.8
TOT OBS	81	191	77	4	0	353		11.8	63	78	83	129
TOT PCT	22.9	54.1	21.8	1.1	.0		100.0		100.0	100.0	100.0	100.0

NOVEMBER

PERIOD: (PRIMARY) 1933-1977
(OVER-ALL) 1876-1977

AREA 0019 PITCAIRN ISLAND
25.0S 129.9W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS) 1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00&03	.0	.0	34.9	58.7	6.3	.0	.0	12.8	100.0	63
06&09	1.3	5.1	34.6	51.3	7.7	.0	.0	12.6	100.0	78
12&15	2.4	6.0	41.0	44.6	6.0	.0	.0	11.7	100.0	83
18&21	.8	5.4	43.4	48.8	1.6	.0	.0	10.8	100.0	129
TOT	4	16	139	177	17	0	0	11.8		353
PCT	1.1	4.5	39.4	50.1	4.8	.0	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	.0	2.9	4.2	4.6		6.2
NE	6.5	6.3	8.1	3.5		4.2
E	10.6	6.3	6.5	5.5		4.1
SE	2.5	3.3	4.9	5.1		5.5
S	1.7	1.9	3.0	.8		4.7
SW	.6	.7	1.2	.4		5.0
W	.8	1.9	.0	1.3		4.3
NW	.1	.0	1.7	1.7		7.0
VAR	.0	.0	.0	.0		.0
CALM	.5	1.0	.0	.0		3.0
TOT OBS	49	51	62	48	210	4.7
TOT PCT	23.3	24.3	29.5	22.9	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT,NH >4/8) AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

WND DIR	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	TOTAL OBS
N	.0	.0	.0	2.0	1.8	1.2	.5	.0	.0	.0	5.2	
NE	.0	.0	.0	.0	3.2	1.1	.7	.0	.0	.5	18.9	
E	.0	.0	.0	1.4	3.2	1.8	1.2	.0	.0	.0	21.3	
SE	.0	.5	.0	2.4	3.8	1.0	.5	.0	.0	.0	7.7	
S	.0	.0	.0	.4	.7	1.4	.0	.0	.0	.0	4.9	
SW	.0	.0	.0	1.1	.0	.1	.0	.0	.0	.0	1.7	
W	.0	.0	.0	.0	.7	.4	.0	.0	.0	.0	3.0	
NW	.0	.0	1.0	.4	.8	.2	.0	.0	.0	.0	1.1	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.4	
TOT OBS	0	1	2	16	30	15	6	0	0	1	139	210
TOT PCT	.0	.5	1.0	7.6	14.3	7.1	2.9	.0	.0	.5	66.2	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) ■ OR >10	■ OR >5	■ OR >2	■ OR >1	■ OR >1/2	■ OR >1/4	■ OR >50YD	■ OR >0
■ OR >6500	.5	.5	.5	.5	.5	.5	.5	.5
■ OR >5000	.5	.5	.5	.5	.5	.5	.5	.5
■ OR >3500	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7
■ OR >2000	10.2	10.6	10.6	10.6	10.6	10.6	10.6	10.6
■ OR >1000	21.8	25.0	25.0	25.0	25.0	25.0	25.0	25.0
■ OR >600	28.2	32.9	32.9	32.9	32.9	32.9	32.9	32.9
■ OR >300	29.2	33.8	33.8	33.8	33.8	33.8	33.8	33.8
■ OR >150	29.6	34.3	34.3	34.3	34.3	34.3	34.3	34.3
■ OR > 0	29.6	34.3	34.3	34.3	34.3	34.3	34.3	34.3
TOTAL	64	74	74	74	74	74	74	74

TOTAL NUMBER OF OBS: 216 PCT FREQ NH <5/8: 65.7

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8 OBSCD	TOTAL OBS
3.1	21.0	17.9	13.1	10.0	5.2	7.0	6.6	16.2 .0	229

NOVEMBER

PERIOD: (PRIMARY) 1933-1977
(OVER-ALL) 1876-1977

AREA 0019 PITCAIRN ISLAND
25.0S 129.9W

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	PCP	.2	.0	.0	.0	.0	.0	.0	.2	.0	.0	.4	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.2	.0	.0	.0	.0	.0	.0	.2	.0	.0	.4	
1<2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
5<10	PCP	.9	1.1	1.4	3.2	.0	.0	.0	.9	.0	.4	7.9	
	NO PCP	2.0	2.6	4.7	2.8	.6	.4	1.1	.2	.0	.0	14.3	
	TOT %	2.9	3.7	6.2	6.0	.6	.4	1.1	1.1	.0	.4	22.1	
10+	PCP	.5	.4	1.4	.4	.0	.7	.0	.5	.0	.0	3.9	
	NO PCP	7.9	18.8	21.7	11.8	5.6	1.6	2.9	2.2	.0	1.1	73.6	
	TOT %	8.4	19.2	23.1	12.1	5.6	2.3	2.9	2.8	.0	1.1	77.5	
	TOT OBS												280
	TOT PCT	11.4	22.9	29.3	18.1	6.3	2.7	3.9	4.0	.0	1.4	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.2	.0	.0	.0	.0	.0	.0	.2	.0		.4	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.2	.0	.0	.0	.0	.0	.0	.2	.0	.0	.4	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
5<10	0-3	.0	.2	.2	.4	.0	.2	.2	.4	.0	.4	1.8	
	4-10	1.7	1.3	2.0	1.4	.0	.2	.9	.4	.0		7.9	
	11-21	1.2	2.1	2.4	3.8	.6	.0	.0	.3	.0		10.4	
	22+	.0	.1	1.6	.4	.0	.0	.0	.0	.0		2.1	
	TOT %	2.9	3.7	6.2	6.0	.6	.4	1.1	1.1	.0	.4	22.1	
10+	0-3	.0	1.3	.9	.0	.4	.0	.0	.0	.0	1.1	3.6	
	4-10	4.0	7.6	9.6	3.8	2.1	.1	1.0	1.5	.0		29.6	
	11-21	4.4	10.3	11.3	7.1	2.6	1.9	1.5	1.3	.0		40.4	
	22+	.0	.1	1.3	1.2	.6	.4	.4	.0	.0		3.9	
	TOT %	8.4	19.2	23.1	12.1	5.6	2.3	2.9	2.8	.0	1.1	77.5	
	TOT OBS												280
	TOT PCT	11.4	22.9	29.3	18.1	6.3	2.7	3.9	4.0	.0	1.4	100.0	

NOVEMBER

PERIOD: (PRIMARY) 1933-1977
(OVER-ALL) 1876-1977

AREA 0019 PITCAIRN ISLAND
25.0S 129.9W

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00&03	.0	2.0	.0	4.1	16.3	4.1	8.2	.0	.0	.0	34.7	65.3	49
06&09	.0	.0	.0	8.3	16.7	5.6	2.8	.0	.0	.0	33.3	66.7	36
12&15	.0	.0	3.1	9.2	7.7	7.7	3.1	.0	.0	.0	30.8	69.2	65
18&21	.0	.0	.0	8.2	16.4	8.2	.0	.0	.0	1.4	34.2	65.8	73
TOT	0	1	2	17	31	15	7	0	0	1	74	149	223
PCT	.0	.4	.9	7.6	13.9	6.7	3.1	.0	.0	.4	33.2	66.8	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00&03	.0	.0	.0	.0	4.0	96.0	50
06&09	.0	.0	.0	.0	46.4	53.6	69
12&15	.0	.0	.0	.0	9.9	90.1	71
18&21	.0	1.0	.0	.0	24.0	75.0	100
TOT	0	1	0	0	65	224	290
PCT	.0	.3	.0	.0	22.4	77.2	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET, NH >4/8), BY HOUR

HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL OBS
00&03	.0	2.1	6.4	29.8	63.8	47
06&09	.0	.0	8.6	25.7	65.7	35
12&15	.0	3.2	12.7	19.0	68.3	63
18&21	.0	.0	8.5	26.8	64.8	71
TOT	0	3	20	54	142	216
PCT	.0	1.4	9.3	25.0	65.7	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
85/89	.0	.0	.0	.0	.4	.0	.0	.0	1	.4
80/84	.0	.0	.0	.0	.7	.7	.7	.0	6	2.2
75/79	.0	.0	.0	1.1	4.1	12.6	10.0	.4	76	28.3
70/74	.0	.0	.0	.7	7.8	16.0	22.7	12.3	160	59.5
65/69	.0	.0	.0	.0	2.6	1.5	3.3	2.2	26	9.7
TOTAL	0	0	0	5	42	83	99	40	269	100.0
PCT	.0	.0	.0	1.9	15.6	30.9	36.8	14.9		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
.0	.0	.0	.4	.0	.0	.0	.0	.0	.0
1.0	1.2	.0	.0	.0	.0	.0	.0	.0	.0
6.1	9.7	6.4	2.3	1.8	.1	.7	.7	.0	.4
3.4	13.2	20.1	10.3	2.8	1.3	2.2	3.4	.0	.7
.3	.9	1.8	4.1	1.5	1.0	.0	.1	.0	.0
12.8	25.0	28.3	17.1	6.0	2.4	3.0	4.3	.0	1.1

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00&03	91	90	79	75	68	67	67	74.9	63
06&09	78	77	76	73	68	67	67	72.1	82
12&15	75	74	74	72	68	66	66	71.7	82
18&21	85	82	80	74	70	66	66	74.8	128
TOT	91	82	79	73	68	66	66	73.5	355

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00&03	.0	3.3	21.7	41.7	30.0	3.3	76	60
06&09	.0	2.0	8.2	36.7	28.6	24.5	81	49
12&15	.0	.0	5.1	20.5	50.0	24.4	84	78
18&21	.0	2.2	23.1	34.1	33.0	7.7	77	91
TOT	0	5	42	90	101	40	79	278

NOVEMBER

PERIOD: (PRIMARY) 1933-1977
(OVER-ALL) 1876-1977

AREA 0019 PITCAIRN ISLAND
25.0S 129.9W

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	65 68	69 72	73 76	77 80	81 84	85 88	89 92	TOT	W FOG	WO FOG
17/19	.0	.0	.0	.0	.0	.0	.4	1	.0	.4
7/8	.0	.4	.0	.8	.8	.0	.0	5	.0	2.0
6	.0	.0	.0	.4	.4	.4	.0	3	.0	1.2
5	.0	.0	.0	.8	.0	.0	.0	2	.0	.8
4	.0	.0	2.0	.4	.4	.0	.0	7	.0	2.7
3	.0	.4	1.6	2.0	.0	.0	.0	10	.0	3.9
2	.0	.0	3.5	2.4	.0	.0	.0	15	.0	5.9
1	.0	1.6	8.6	2.4	.0	.0	.0	32	.8	11.8
0	.4	5.5	11.0	2.4	.0	.0	.0	49	.4	18.8
-1	.4	5.1	10.6	.4	.0	.0	.0	42	.0	16.5
-2	.4	6.7	5.1	.4	.0	.0	.0	32	.4	12.2
-3	.8	5.5	3.1	.0	.0	.0	.0	24	.0	9.4
-4	.8	2.7	2.0	.0	.0	.0	.0	14	.0	5.5
-5	.8	2.4	.4	.0	.0	.0	.0	9	.0	3.5
-6	1.2	.8	.4	.0	.0	.0	.0	6	.0	2.4
-7/-8	.8	.4	.0	.0	.0	.0	.0	3	.0	1.2
-14/-16	.4	.0	.0	.0	.0	.0	.0	1	.0	.4
TOTAL	15		123		4		1		4	251
		80		31		1		255		
PCT	5.9	31.4	48.2	12.2	1.6	.4	.4	100.0	1.6	98.4

PERIOD: (OVER-ALL) 1963-1977

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	2.8	2.4	.0	.0	.0	5.2
3-4	.0	2.2	3.5	.0	.0	.0	5.7
5-6	.0	.0	2.4	.0	.0	.0	2.4
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	5.0	8.3	.0	.0	.0	13.3

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	1.7	.0	.0	.0	.0	.0	1.7
1-2	.9	5.4	.4	.0	.0	.0	6.7
3-4	.0	1.1	6.5	.0	.0	.0	7.6
5-6	.0	.0	8.9	.2	.0	.0	9.1
7	.0	.0	2.8	.0	.0	.0	2.8
8-9	.0	.0	1.1	.0	.0	.0	1.1
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	2.6	6.5	19.8	.2	.0	.0	29.1

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	1.7	.0	.0	.0	.0	1.7
1-2	.9	4.8	.7	.0	.0	.0	6.3
3-4	.0	7.8	8.0	1.5	.0	.0	17.4
5-6	.0	.0	.9	.7	.0	.0	1.5
7	.0	.0	1.5	.0	.0	.0	1.5
8-9	.0	.0	1.5	.0	.0	.0	1.5
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.9	14.3	12.6	2.2	.0	.0	30.0

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.9	.2	.0	.0	.0	1.1
3-4	.0	.9	2.8	.2	.0	.0	3.9
5-6	.0	.0	1.1	.0	.0	.0	1.1
7	.0	.0	2.6	.0	.0	.0	2.6
8-9	.0	.0	.2	1.1	.0	.0	1.3
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	1.7	7.0	1.3	.0	.0	10.0

PERIOD: (OVER-ALL) 1963-1977

NOVEMBER

AREA 0019 PITCAIRN ISLAND
25.0S 129.9W

TABLE 1d (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

	S							SW						
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.9	.0	.0	.0	.0	.9	.0	.0	.0	.0	.0	.0	.0
1-2	.0	2.4	.7	.0	.0	.0	3.0	.0	.2	.0	.0	.0	.0	.2
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9	.0	.0	.0	.9
5-6	.0	.0	1.3	.0	.0	.0	1.3	.0	.0	.2	.0	.0	.0	.2
7	.0	.0	.9	.0	.0	.0	.9	.0	.0	.2	.9	.0	.0	1.1
8-9	.0	.0	.7	.7	.0	.0	1.3	.0	.0	.9	.0	.0	.0	.9
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	3.3	3.5	.7	.0	.0	7.4	.0	.2	2.2	.9	.0	.0	3.3

	W							NW							TOTAL
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	PCT
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
3-4	.0	.0	1.7	.0	.0	.0	1.7	.0	.2	.9	.0	.0	.0	1.1	
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
7	.0	.0	.7	.9	.0	.0	1.5	.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.0	.0	2.4	.9	.0	.0	3.3	.0	.2	.9	.0	.0	.0	1.1	97.4

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	5.8	2.5	.0	.0	.0	.0	8.3	
1-2	1.7	17.5	4.2	.0	.0	.0	23.3	
3-4	.0	11.7	24.2	1.7	.0	.0	37.5	
5-6	.0	.0	14.2	.8	.0	.0	15.0	
7	.0	.0	8.3	1.7	.0	.0	10.0	
8-9	.0	.0	4.2	1.7	.0	.0	5.8	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	7.5	31.7	55.0	5.8	.0	.0	100.0	120

PERIOD: (OVER-ALL) 1949-1977

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	1.8	3.5	5.9	4.1	5.3	1.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	38	4
6-7	.0	.6	2.4	5.3	9.4	7.6	2.4	1.8	1.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	33	7
8-9	.0	.0	3.5	5.3	5.3	2.9	.0	1.8	1.8	.6	.0	1.2	.0	.0	.0	.0	.0	.0	.0	38	8
10-11	.0	.6	.0	.0	.0	5.3	1.8	.6	.0	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	15	9
12-13	.0	.0	.0	.6	.6	.6	.6	.6	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6	9
>13	.0	.0	.0	.0	.6	1.8	.0	.0	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	5	9
INDET	1.8	1.2	1.8	1.2	1.2	.6	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	15	4
TOTAL	6	10	23	28	38	35	9	9	7	2	1	2	0	0	0	0	0	0	0	170	7
PCT	3.5	5.9	13.5	16.5	22.4	20.6	5.3	5.3	4.1	1.2	.6	1.2	.0	.0	.0	.0	.0	.0	.0	100.0	

DECEMBER

PERIOD: (PRIMARY) 1922-1977
(OVER-ALL) 1878-1977

AREA 0019 PITCAIRN ISLAND
25.0S 129.9W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
N	.0	9.9	.0	.0	.0	.0	.0	9.9	4.1	3.3	2.3	.0	.0		.0	80.2
NE	7.1	2.6	1.8	.0	.0	.0	.0	11.1	.4	.0	.9	.0	.0		.0	87.6
E	.0	3.5	.7	.0	.0	.0	.0	4.3	3.9	1.4	2.1	.0	.0		.0	88.3
SE	5.2	0.5	1.3	.0	.0	.0	.0	13.1	3.3	.0	.0	.0	.0		.0	83.7
S	19.5	.0	.0	.0	.0	.0	.0	19.5	.0	9.8	.0	.0	.0		.0	80.5
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	16.7	.0	.0	.0		.0	83.3
W	.0	18.8	12.5	.0	.0	.0	.0	31.3	.0	6.3	.0	.0	.0		.0	62.5
NW	.0	3.7	.0	.0	.0	.0	.0	3.7	.0	1.9	.0	.0	.0		.0	94.4
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	100.0
TOT PCT	3.1	5.0	1.2	.0	.0	.0	.0	9.3	2.3	1.9	1.2	.0	.0		.0	85.7
TOT OBS:	258															

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
00&03	1.8	5.3	1.8	.0	.0	.0	.0	8.8	1.8	.0	.0	.0	.0		.0	89.5
06&09	1.5	7.4	.0	.0	.0	.0	.0	8.8	2.9	4.4	.0	.0	.0		.0	83.8
12&15	6.0	4.0	4.0	.0	.0	.0	.0	14.0	4.0	2.0	.0	.0	.0		.0	80.0
18&21	3.2	5.3	.0	.0	.0	.0	.0	8.4	1.1	1.1	3.2	.0	1.1		.0	86.3
TOT PCT	3.0	5.6	1.1	.0	.0	.0	.0	9.6	2.2	1.9	1.1	.0	.4		.0	85.2
TOT OBS:	270															

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	WIND SPEED (KNOTS)									HOUR (GMT)							
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	1.4	9.7	5.0	.4	.0	.0		16.4	9.5	18.2	.0	21.8	12.0	6.5	37.5	11.6	28.6
NE	1.8	13.2	6.0	.2	.0	.0		21.1	9.3	21.9	25.0	17.3	15.0	28.5	.0	24.7	13.8
E	1.9	13.1	14.1	.9	.0	.0		30.0	10.8	32.5	75.0	27.3	33.0	32.3	50.0	30.3	23.7
SE	1.1	4.0	8.1	.2	.0	.0		13.4	12.3	10.6	.0	17.7	10.0	11.2	.0	15.3	15.2
S	.3	1.8	.8	.6	.0	.0		3.4	12.1	3.8	.0	3.2	2.0	1.5	.0	3.1	6.3
SW	.3	1.2	.0	.0	.0	.0		1.5	6.9	2.7	.0	.0	4.0	2.7	.0	.0	.9
W	.6	1.6	.7	.0	.0	.0		2.9	7.7	.0	.0	.0	6.0	8.1	.0	1.3	4.5
NW	.6	5.3	2.9	.6	.0	.0		9.3	11.0	6.2	.0	12.7	10.0	9.2	12.5	13.8	3.6
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	2.0							2.0	.0	4.1	.0	.0	8.0	.0	.0	.0	3.6
TOT OBS	35	178	134	10	0	0	357		10.2	73	1	55	25	65	2	80	56
TOT PCT	9.8	49.9	37.5	2.8	.0	.0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

	WIND SPEED (KNOTS)								HOUR (GMT)			
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	06 09	12 15	18 21
N	5.5	8.8	2.0	.1	.0		16.4	9.5	17.9	18.8	7.5	18.6
NE	5.2	15.1	.7	.1	.0		21.1	9.3	22.0	16.6	27.6	20.2
E	7.4	18.8	3.8	.0	.0		30.0	10.8	33.1	29.1	32.8	27.6
SE	2.5	7.3	3.7	.0	.0		13.4	12.3	10.5	15.3	10.8	15.3
S	.8	1.4	1.1	.0	.0		3.4	12.1	3.7	2.8	1.5	4.4
SW	.6	.8	.0	.0	.0		1.5	6.9	2.7	1.3	2.6	.4
W	1.2	1.5	.1	.0	.0		2.9	7.7	.0	1.9	7.8	2.6
NW	2.0	5.5	1.8	.0	.0		9.3	11.0	6.1	11.9	9.3	9.6
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	2.0						2.0	.0	4.1	2.5	.0	1.5
TOT OBS	97	212	47	1	0	357		10.2	74	80	67	136
TOT PCT	27.2	59.4	13.2	.3	.0		100.0		100.0	100.0	100.0	100.0

DECEMBER

PERIOD: (PRIMARY) 1922-1977
(OVER-ALL) 1878-1977

AREA 0019 PITCAIRN ISLAND
25.0S 129.9W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS) 1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00&03	4.1	5.4	43.2	44.6	2.7	.0	.0	10.7	100.0	74
06&09	2.5	8.8	50.0	38.8	.0	.0	.0	9.6	100.0	80
12&15	.0	9.0	56.7	31.3	3.0	.0	.0	9.6	100.0	67
18&21	1.5	8.1	50.0	36.0	4.4	.0	.0	10.5	100.0	136
TOT	7	28	178	134	10	0	0	10.2		357
PCT	2.0	7.8	49.9	37.5	2.8	.0	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	2.7	2.3	5.9	2.6		5.0
NE	5.3	6.9	8.8	3.8		4.5
E	9.9	7.2	6.3	4.4		4.2
SE	4.0	2.4	6.9	3.2		5.1
S	.5	.9	1.3	.5		4.6
SW	.0	.0	.0	.5		8.0
W	.0	.5	.3	1.0		6.5
NW	2.3	2.3	4.6	1.9		4.9
VAR	.0	.0	.0	.0		.0
CALM	.0	.5	.0	.0		2.0
TOT OBS	48	45	67	35	195	4.7
TOT PCT	24.6	23.1	34.4	17.9	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT,NH >4/8) AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

WND DIR	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	TOTAL OBS
N	.0	.0	.0	1.3	.9	.9	.0	.0	.0	.0	10.4	
NE	.0	.0	.0	2.2	1.8	1.7	.5	.0	.0	.0	18.7	
E	.0	.0	.0	1.5	2.9	2.2	.0	.0	.0	.0	21.0	
SE	.0	.0	.1	2.1	4.0	.3	.5	.0	.0	.0	9.6	
S	.0	.0	.4	1.0	.0	.0	.0	.0	.0	.0	1.8	
SW	.0	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	
W	.5	.0	.0	.0	.0	.0	.5	.0	.0	.0	1.0	
NW	.0	.0	.0	.6	1.7	1.2	.0	.0	.0	.0	7.7	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	
TOT OBS	1	0	2	17	22	12	3	0	0	0	138	195
TOT PCT	.5	.0	1.0	8.7	11.3	6.2	1.5	.0	.0	.0	70.8	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) • OR >10	• OR >5	• OR >2	• OR >1	• OR >1/2	• OR >1/4	• OR >50YD	• OR >0
• OR >6500	.0	.0	.0	.0	.0	.0	.0	.0
• OR >5000	.0	.0	.0	.0	.0	.0	.0	.0
• OR >3500	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
• OR >2000	5.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4
• OR >1000	15.8	20.3	20.3	20.3	20.3	20.3	20.3	20.3
• OR >600	20.8	27.7	28.7	28.7	28.7	28.7	28.7	28.7
• OR >300	21.3	28.7	29.7	29.7	29.7	29.7	29.7	29.7
• OR >150	21.3	28.7	29.7	29.7	29.7	29.7	29.7	29.7
• OR > 0	21.3	28.7	30.2	30.2	30.2	30.2	30.2	30.2
TOTAL	43	58	61	61	61	61	61	61

TOTAL NUMBER OF OBS: 202 PCT FREQ NH <5/8: 69.8

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8 OBSCD	TOTAL OBS
3.3	18.6	20.5	15.3	12.1	5.6	6.5	5.1	13.0 .0	215

DECEMBER

PERIOD: (PRIMARY) 1922-1977
(OVER-ALL) 1878-1977

AREA 0019 PITCAIRN ISLAND
25.0S 129.9W

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.8	.0	.0	.0	.0	.0	.0	.0	.8	
	TOT %	.0	.0	.8	.0	.0	.0	.0	.0	.0	.0	.8	
1<2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	PCP	.0	.4	.0	.4	.0	.0	.4	.0	.0	.0	1.2	
	NO PCP	.0	.0	.4	.0	.0	.0	.0	.0	.0	.0	.4	
	TOT %	.0	.4	.4	.4	.0	.0	.4	.0	.0	.0	1.6	
5<10	PCP	1.0	.8	.2	1.0	.8	.0	.2	.4	.0	.0	4.3	
	NO PCP	4.4	2.3	4.7	2.7	.8	1.0	1.2	2.0	.0	.4	19.4	
	TOT %	5.3	3.1	4.8	3.7	1.6	1.0	1.4	2.4	.0	.4	23.6	
10+	PCP	.7	1.3	1.0	.6	.0	.0	.4	.0	.0	.0	3.9	
	NO PCP	10.7	17.1	20.3	10.2	2.4	.2	1.0	7.9	.0	.4	70.2	
	TOT %	11.3	18.3	21.3	10.8	2.4	.2	1.4	7.9	.0	.4	74.0	
	TOT OBS												258
	TOT PCT	16.7	21.8	27.3	14.8	4.0	1.2	3.1	10.4	.0	.8	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	0-3	.0	.0	.4	.0	.0	.0	.0	.0	.0	.0	.4	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.4	.0	.0	.0	.0	.0	.0		.4	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.8	.0	.0	.0	.0	.0	.0	.0	.8	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.4	.4	.0	.0	.0	.4	.0	.0		1.2	
	11-21	.0	.0	.0	.4	.0	.0	.0	.0	.0		.4	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.4	.4	.4	.0	.0	.4	.0	.0	.0	1.6	
5<10	0-3	.8	.0	.8	.4	.4	.0	.4	.4	.0	.4	3.5	
	4-10	3.7	1.7	1.2	1.0	.4	1.0	1.0	1.0	.0		10.9	
	11-21	.9	1.4	2.9	2.3	.0	.0	.0	.7	.0		8.1	
	22+	.0	.0	.0	.0	.8	.0	.0	.4	.0		1.2	
	TOT %	5.3	3.1	4.8	3.7	1.6	1.0	1.4	2.4	.0	.4	23.6	
10+	0-3	1.2	.1	.7	.4	.0	.0	.0	.0	.0	.4	2.7	
	4-10	6.7	12.9	8.5	2.8	2.0	.2	.6	5.4	.0		39.1	
	11-21	3.2	5.2	11.5	7.4	.4	.0	.8	2.1	.0		30.6	
	22+	.3	.1	.6	.2	.0	.0	.0	.4	.0		1.6	
	TOT %	11.3	18.3	21.3	10.8	2.4	.2	1.4	7.9	.0	.4	74.0	
	TOT OBS												258
	TOT PCT	16.7	21.8	27.3	14.8	4.0	1.2	3.1	10.4	.0	.8	100.0	

DECEMBER

PERIOD: (PRIMARY) 1922-1977
(OVER-ALL) 1878-1977

AREA 0019 PITCAIRN ISLAND
25.0S 129.9W

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET,NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00&03	.0	.0	1.8	5.4	8.9	.0	1.8	.0	.0	.0	17.9	82.1	56
06&09	.0	.0	.0	7.3	17.1	7.3	.0	.0	.0	.0	31.7	68.3	41
12&15	2.2	.0	2.2	8.7	8.7	8.7	2.2	.0	.0	.0	32.6	67.4	46
18&21	.0	.0	.0	10.3	14.7	7.4	1.5	.0	.0	.0	33.8	66.2	68
TOT	1	0	2	17	26	12	3	0	0	0	61	150	211
PCT	.5	.0	.9	8.1	12.3	5.7	1.4	.0	.0	.0	28.9	71.1	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00&03	.0	.0	.0	1.8	3.5	94.7	57
06&09	.0	1.5	.0	.0	35.3	63.2	68
12&15	.0	.0	.0	2.0	18.0	80.0	50
18&21	.0	1.1	1.1	3.2	30.5	64.2	95
TOT	0	2	1	5	64	198	270
PCT	.0	.7	.4	1.9	23.7	73.3	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET,NH >4/8),BY HOUR

HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL OBS
00&03	.0	2.0	9.8	11.8	78.4	51
06&09	.0	.0	7.9	26.3	65.8	38
12&15	2.2	4.4	13.3	20.0	66.7	45
18&21	.0	.0	11.8	23.5	64.7	68
TOT	1	3	22	41	134	202
PCT	.5	1.5	10.9	20.3	68.8	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
85/89	.0	.0	.0	.0	.4	.0	.0	.0	1	.4
80/84	.0	.0	.0	.0	1.9	3.1	1.2	1.2	19	7.4
75/79	.0	.0	.0	.0	6.6	20.2	21.7	8.5	147	57.0
70/74	.0	.0	.0	.4	3.1	10.5	12.0	7.8	87	33.7
65/69	.0	.0	.0	.4	.0	.0	.4	.8	4	1.6
TOTAL	0	0	0	2	31	87	91	47	258	100.0
PCT	.0	.0	.0	.8	12.0	33.7	35.3	18.2		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
.0	.2	.2	.0	.0	.0	.0	.0	.0	.0
2.2	1.7	1.5	.5	.0	.0	.0	1.1	.0	.4
10.9	16.9	15.2	4.3	1.4	.4	.8	7.2	.0	.0
2.0	3.6	12.9	8.5	1.5	.7	1.6	2.9	.0	.0
.0	.0	1.0	.6	.0	.0	.0	.0	.0	.0
15.2	22.4	30.7	13.9	2.8	1.1	2.4	11.1	.0	.4

TABLE 15

MEANS,EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00&03	86	85	82	78	73	69	69	77.4	73
06&09	79	78	77	75	72	70	70	74.7	83
12&15	78	77	77	74	71	69	69	73.9	69
18&21	85	84	82	77	72	70	69	76.9	138
TOT	86	83	81	76	71	69	69	75.9	363

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00&03	.0	1.6	23.4	35.9	31.3	7.8	76	64
06&09	.0	.0	6.5	33.9	37.1	22.6	82	62
12&15	.0	1.7	1.7	31.7	40.0	25.0	83	60
18&21	.0	.0	13.3	34.9	32.5	19.3	80	83
TOT	0	2	31	92	94	50	81	269

DECEMBER

PERIOD: (PRIMARY) 1922-1977
(OVER-ALL) 1878-1977

AREA 0019 PITCAIRN ISLAND
25.0S 129.9W

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	69 72	73 76	77 80	81 84	85 88	TOT	W FOG	WO FOG
9/10	.0	.0	.0	.4	.0	1	.0	.4
7/8	.0	.0	.0	.0	.4	1	.0	.4
6	.0	.0	.4	.4	.0	2	.0	.8
5	.0	.0	.4	.0	.0	1	.0	.4
4	.0	.0	1.3	.8	.0	5	.0	2.1
3	.0	1.3	3.4	.8	.0	13	.0	5.5
2	.0	.4	5.5	2.5	.0	20	.8	7.6
1	.4	5.5	5.9	.4	.0	29	.0	12.2
0	.0	8.8	6.3	.0	.0	36	.4	14.7
-1	1.3	11.8	6.3	.0	.0	46	.0	19.3
-2	1.3	10.1	2.5	.4	.0	34	.0	14.3
-3	3.4	8.0	1.3	.0	.0	30	.0	12.6
-4	1.3	2.1	.8	.0	.0	10	.0	4.2
-5	.8	1.7	.0	.0	.0	6	.0	2.5
-6	.4	.4	.0	.0	.0	2	.0	.8
-7/-8	.4	.0	.4	.0	.0	2	.0	.8
TOTAL	22	119	82	14	1	238	3	235
PCT	9.2	50.0	34.5	5.9	.4	100.0	1.3	98.7

PERIOD: (OVER-ALL) 1963-1977

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	2.6	.0	.0	.0	.0	.0	2.6
1-2	.9	4.3	.7	.0	.0	.0	5.9
3-4	.0	2.4	.9	.0	.0	.0	3.3
5-6	.0	3.0	2.2	.0	.0	.0	5.2
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	3.5	9.8	3.7	.0	.0	.0	17.0

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	8.7	.0	.0	.0	.0	8.7
3-4	.2	7.0	2.8	.0	.0	.0	10.0
5-6	.0	3.9	2.4	.0	.0	.0	6.3
7	.0	.0	1.7	.0	.0	.0	1.7
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.2	19.6	7.0	.0	.0	.0	26.7

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.9	1.5	.0	.0	.0	.0	2.4
1-2	.9	5.4	.9	.0	.0	.0	7.2
3-4	.7	.0	3.7	.0	.0	.0	4.3
5-6	.0	2.4	4.3	.0	.0	.0	6.7
7	.0	.0	1.7	.0	.0	.0	1.7
8-9	.0	.0	.9	.0	.0	.0	.9
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.9	5.0	12.2	.0	.0	.0	18.0

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	1.1	.0	.0	.0	.0	1.1
1-2	.9	2.0	.9	.0	.0	.0	3.7
3-4	.0	2.0	3.0	.0	.0	.0	5.0
5-6	.0	.0	6.5	.0	.0	.0	6.5
7	.0	.0	1.7	.0	.0	.0	1.7
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.9	5.0	12.2	.0	.0	.0	18.0

PERIOD: (OVER-ALL) 1964-1977

DECEMBER

TABLE 18 (CONT)

AREA 0019 PITCAIRN ISLAND
25.0S 129.9W

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

S

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	1.7	.0	.0	.0	.0	1.7
3-4	.0	1.5	.0	.0	.0	.0	1.5
5-6	.0	.0	.9	.9	.0	.0	1.7
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	3.3	.9	.9	.0	.0	5.0

SW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0

W

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.9	.0	.0	.0	.0	.9
5-6	.0	.0	.9	.0	.0	.0	.9
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.9	.9	.0	.0	.0	1.7

NW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	.0	.0	.0	.0	.0	.0	.0	
1-2	.0	3.0	1.1	.0	.0	.0	4.1	
3-4	.0	1.1	.0	.0	.0	.0	1.1	
5-6	.0	.2	1.1	.0	.0	.0	1.3	
7	.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.9	.0	.0	.9	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.0	4.3	2.2	.9	.0	.0	7.4	99.1

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	5.1	2.5	.0	.0	.0	.0	7.6	
1-2	3.4	24.6	3.4	.0	.0	.0	31.4	
3-4	1.7	14.4	10.2	.0	.0	.0	26.3	
5-6	.0	9.3	17.8	.8	.0	.0	28.0	
7	.0	.0	5.1	.0	.0	.0	5.1	
8-9	.0	.0	.8	.0	.0	.0	.8	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.8	.0	.0	.8	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	10.2	50.8	37.3	1.7	.0	.0	100.0	118

PERIOD: (OVER-ALL) 1949-1977

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-21	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	.0	7.6	10.5	10.5	4.7	2.9	.0	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	64	5
6-7	.0	.6	4.7	14.6	6.4	2.3	1.8	.6	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	54	6
8-9	.0	.0	2.3	4.1	6.4	2.3	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	27	6
10-11	.0	.6	.6	1.2	.6	1.2	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	8	6
12-13	.0	.0	1.2	1.2	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5	5
>13	.0	.0	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	5
INDET	.6	1.2	1.8	1.8	1.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	12	4
TOTAL	1	17	36	58	35	15	4	4	1	0	0	0	0	0	0	0	0	0	0	171	5
PCT	.6	9.9	21.1	33.9	20.5	8.8	2.3	2.3	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

ANNUAL

PERIOD: (PRIMARY) 1922-1976
(OVER-ALL) 1864-1976

AREA 0019 PITCAIRN ISLAND
25.0S 129.9W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

	PRECIPITATION TYPE									OTHER WEATHER PHENOMENA					
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG	DUST SNOW BLWG	NO SIG WEA
N	6.0	6.0	2.1	.0	.0	.0	.0	14.1	2.2	1.5	.9	.0	.1	.0		81.8
NE	4.5	5.7	1.6	.0	.0	.0	.0	9.4	2.9	1.2	.9	.0	.0	.0		85.9
E	2.5	3.4	1.5	.0	.0	.0	.1	7.2	3.8	.9	1.4	.0	.3	.0		86.4
SE	2.4	4.2	1.9	.0	.0	.0	.0	8.5	2.6	.8	1.2	.0	.0	.0		87.2
S	4.1	2.3	.7	.0	.0	.0	.0	6.8	4.5	2.9	1.1	.0	.2	.0		85.2
SW	6.2	3.1	2.7	.0	.0	.0	.0	10.8	4.5	2.2	1.3	.0	.1	.0		81.2
W	8.0	6.8	3.0	.0	.0	.0	.0	17.1	3.0	2.1	.8	.0	.0	.0		77.0
NW	7.0	6.0	1.8	.0	.0	.0	.0	14.8	3.7	2.3	1.4	.0	.1	.0		77.7
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0
CALM	.9	2.1	1.4	.0	.0	.0	.0	4.4	.0	4.2	.0	.0	1.4	.0		90.0
TOT PCT	3.9	4.3	1.6	.0	.0	.0	*	9.6	3.2	1.3	1.2	.0	.1	.0		84.7
TOT OBS:	3571															

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

	PRECIPITATION TYPE									OTHER WEATHER PHENOMENA					
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG	DUST SNOW BLWG	NO SIG WEA
00&03	3.0	2.9	1.6	.0	.0	.0	.1	7.4	4.2	.1	.0	.0	.0	.0		88.3
06&09	3.5	5.0	1.8	.0	.0	.0	.0	9.8	2.5	2.9	2.0	.0	.4	.0		82.9
12&15	4.1	4.1	2.4	.0	.0	.0	.0	10.5	4.5	2.6	.1	.0	.2	.0		82.1
18&21	4.7	5.5	1.2	.0	.0	.0	.0	11.4	2.4	.4	2.1	.0	.1	.0		84.0
TOT PCT	3.9	4.5	1.7	.0	.0	.0	*	9.8	3.3	1.4	1.2	.0	.2	.0		84.3
TOT OBS:	3696															

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	WIND SPEED (KNOTS)									HOUR (GMT)							
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	.7	6.7	5.6	.8	.1	*		13.9	11.1	14.2	9.9	12.1	11.8	13.1	11.7	15.1	15.9
NE	1.0	9.1	6.9	.4	.0	.0		17.4	10.6	18.2	9.5	18.3	15.5	18.9	16.4	17.4	13.4
E	.7	10.3	11.8	2.4	.3	*		25.5	13.1	23.2	28.1	25.9	26.8	26.9	33.5	24.6	25.2
SE	.6	6.7	8.5	1.8	*	.0		17.6	13.0	18.9	7.1	17.2	22.0	15.0	5.4	17.2	20.0
S	.4	3.3	3.0	.4	.0	.0		7.1	11.2	5.8	5.2	7.6	7.2	7.4	13.7	7.0	7.4
SW	.3	2.1	1.8	.7	*	.0		4.9	10.9	5.0	3.3	4.8	4.8	4.2	6.7	4.9	6.6
W	.2	2.1	1.8	.6	*	.0		4.8	12.1	5.4	.0	4.9	3.7	5.4	2.1	4.7	4.2
NW	.2	3.6	2.9	.5	.1	*		7.3	11.6	7.7	3.3	7.3	6.4	7.2	10.5	7.7	6.4
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	1.6							1.6	.0	1.7	.0	1.8	1.9	2.0	.0	1.4	.8
TOT OBS							4439		11.9	916	54	802	325	829	70	943	500
TOT PCT	5.6	44.0	42.3	7.5	.6	*		100.0		100.0	66.7	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

	WIND SPEED (KNOTS)								HOUR (GMT)			
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	06 09	12 15	18 21
N	3.4	7.9	2.5	.2	*		13.9	11.1	14.1	12.1	12.8	15.7
NE	4.0	11.4	2.0	.1	.0		17.4	10.6	18.1	17.4	18.9	16.0
E	3.9	15.0	5.6	1.0	*		25.5	13.1	24.0	26.2	27.7	24.8
SE	2.4	10.1	4.7	.4	.0		17.6	13.0	18.9	18.5	14.5	18.0
S	1.7	3.9	1.4	*	.0		7.1	11.2	5.7	7.5	7.6	7.3
SW	1.1	2.4	1.3	.1	.0		4.9	10.9	4.9	4.9	4.3	5.3
W	1.2	2.3	1.0	.2	.0		4.8	12.1	5.0	4.5	5.1	4.5
NW	1.6	4.3	1.3	.1	*		7.3	11.6	7.6	7.1	7.2	7.2
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	1.6						1.6	.0	1.6	1.8	1.9	1.2
TOT OBS						4439		11.9	970	1127	899	1443
TOT PCT	20.8	57.3	19.7	2.1	.1		100.0		100.0	100.0	100.0	100.0

ANNUAL

PERIOD: (PRIMARY) 1922-1978
(OVER-ALL) 1864-1978

AREA 0019 PITCAIRN ISLAND
25.0S 129.9W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS) 1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00&03	1.6	2.3	40.4	46.5	8.5	.7	.0	12.6	100.0	970
06&09	1.8	5.2	43.8	41.2	7.3	.6	.1	11.6	100.0	1127
12&15	1.9	4.6	45.8	39.5	7.8	.4	.0	11.5	100.0	899
18&21	1.2	3.8	45.3	42.1	7.0	.5	.1	11.8	100.0	1443
TOT								11.9		4439
PCT	1.6	4.0	44.0	42.3	7.5	.6	*		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	2.5	2.9	4.6	2.7		4.9
NE	5.2	4.8	5.5	2.6		4.3
E	7.4	7.4	7.9	3.9		4.4
SE	3.2	4.8	6.6	2.7		4.8
S	1.5	2.3	2.5	.9		4.5
SW	.8	1.4	1.7	.7		5.0
W	.9	1.0	1.3	1.4		5.1
NW	1.3	1.5	3.0	1.8		5.4
VAR	.0	.0	.0	.0		.0
CALM	.5	.6	.4	.1		3.6
TOT OBS					2966	4.6
TOT PCT	23.2	26.6	33.5	16.7	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT,NH >4/8) AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	TOTAL OBS
N	.0	*	.3	.9	1.5	.9	.3	*	*	.1	8.7	
NE	.0	*	.1	.6	1.9	1.1	.6	.1	.0	*	13.7	
E	.0	.0	.2	1.2	3.1	1.6	.7	.2	*	*	19.5	
SE	.0	.1	.1	1.2	2.9	1.3	.5	*	.0	.0	11.2	
S	*	.0	*	.5	1.1	.7	.1	*	.0	.0	4.9	
SW	.0	.0	.1	.3	.5	.4	.2	.0	*	.0	3.1	
W	*	*	.1	.7	.6	.3	.1	.0	.0	*	2.8	
NW	*	*	.2	.7	1.1	.3	.1	.2	*	*	4.8	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.0	.0	*	.2	*	.0	.0	.0	.0	1.3	
TOT OBS												2966
TOT PCT	.1	.2	1.0	6.1	12.9	6.6	2.4	.4	.1	.2	70.0	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) * OR >10	* OR >5	* OR >2	* OR >1	* OR >1/2	* OR >1/4	* OR >50YD	* OR >0
* OR >6500	.3	.3	.3	.3	.3	.3	.3	.3
* OR >5000	.7	.7	.7	.7	.7	.7	.7	.7
* OR >3500	2.9	3.2	3.2	3.2	3.2	3.2	3.2	3.2
* OR >2000	8.4	9.6	9.6	9.7	9.7	9.7	9.7	9.7
* OR >1000	18.2	21.9	22.4	22.7	22.7	22.7	22.7	22.7
* OR >600	21.7	27.6	28.5	28.9	28.9	28.9	28.9	28.9
* OR >300	22.0	28.2	29.5	29.9	29.9	30.0	30.0	30.0
* OR >150	22.1	28.4	29.7	30.1	30.1	30.2	30.2	30.2
* OR > 0	22.2	28.4	29.9	30.3	30.3	30.3	30.3	30.3

TOTAL NUMBER OF OBS: 3061 PCT FREQ NH <5/8: 69.7

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8 OBSCD	TOTAL OBS
4.1	14.8	20.5	17.2	12.7	6.4	5.7	6.9	11.6 *	3165

ANNUAL

PERIOD: (PRIMARY) 1922-1978
(OVER-ALL) 1864-1978

AREA 0019 PITCAIRN ISLAND
25.0S 129.9W

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	*	.0	.0	*	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	*	.0	.0	*	
1/2<1	PCP	*	.0	.0	.0	.0	.0	.0	*	.0	.0	.1	
	NO PCP	.0	.0	.1	.1	.0	.0	.0	*	.0	.0	.2	
	TOT %	*	.0	.1	.1	.0	.0	.0	.1	.0	.0	.3	
1<2	PCP	.1	.1	*	*	.0	*	*	*	.0	.0	.3	
	NO PCP	.1	.0	.0	*	.0	.0	.0	*	.0	.0	.1	
	TOT %	.2	.1	*	.1	.0	*	*	*	.0	.0	.4	
2<5	PCP	.2	.2	.2	.2	.0	*	.2	.2	.0	.0	1.2	
	NO PCP	*	*	.1	.0	*	*	.0	*	.0	*	.3	
	TOT %	.3	.2	.3	.2	*	.1	.2	.2	.0	*	1.5	
5<10	PCP	1.0	.6	.8	.8	.4	.2	.3	.5	.0	*	4.7	
	NO PCP	1.9	2.0	3.5	2.3	.9	.6	.6	1.2	.0	.1	13.2	
	TOT %	2.9	2.6	4.3	3.1	1.3	.8	.9	1.7	.0	.2	17.9	
10+	PCP	.5	.8	.8	.5	.1	.1	.3	.2	.0	.1	3.3	
	NO PCP	9.5	13.9	20.2	13.7	5.8	3.6	3.2	5.4	.0	1.2	76.6	
	TOT %	10.0	14.7	21.0	14.2	5.9	3.7	3.5	5.6	.0	1.3	79.9	
	TOT OBS												3571
	TOT PCT	13.3	17.5	25.7	17.6	7.3	4.7	4.7	7.7	.0	1.5	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	*	.0		*	
	TOT %	.0	.0	.0	.0	.0	.0	.0	*	.0	.0	*	
1/2<1	0-3	.0	.0	*	.0	.0	.0	.0	.0	.0	.0	*	
	4-10	.0	.0	.0	.0	.0	.0	.0	*	.0		*	
	11-21	*	.0	.1	*	.0	.0	.0	.1	.0		.2	
	22+	.0	.0	.0	*	.0	.0	.0	.0	.0		*	
	TOT %	*	.0	.1	.1	.0	.0	.0	.1	.0	.0	.3	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.1	*	*	.0	.0	*	*	*	.0		.1	
	11-21	.1	.1	.0	.1	.0	.0	*	*	.0		.2	
	22+	*	.0	.0	.0	.0	*	*	.0	.0		.1	
	TOT %	.2	.1	*	.1	.0	*	*	*	.0	.0	.4	
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	*	*	
	4-10	.1	.1	*	.1	.0	.0	.1	.1	.0		.3	
	11-21	.1	.1	.2	.1	*	*	.1	.1	.0		.8	
	22+	.1	.0	.1	*	.0	.1	.0	.1	.0		.4	
	TOT %	.3	.2	.3	.2	*	.1	.2	.2	.0	*	1.5	
5<10	0-3	.1	.1	.2	.1	.1	.1	.1	.1	.0	.2	1.0	
	4-10	1.5	1.1	1.2	1.0	.5	.4	.5	.8	.0		7.1	
	11-21	1.0	1.3	1.9	1.5	.6	.3	.2	.6	.0		7.4	
	22+	.2	.1	1.0	.5	.2	*	.1	.2	.0		2.4	
	TOT %	2.9	2.6	4.3	3.1	1.3	.8	.9	1.7	.0	.2	17.9	
10+	0-3	.5	.7	.5	.3	.3	.2	.1	.1	.0	1.3	3.8	
	4-10	4.7	7.9	8.6	5.4	2.9	1.5	1.5	2.9	.0		35.4	
	11-21	4.3	5.8	10.0	7.1	2.6	1.5	1.5	2.3	.0		35.1	
	22+	.4	.3	1.9	1.4	.3	.6	.4	.3	.0		5.6	
	TOT %	10.0	14.7	21.0	14.2	6.0	3.7	3.5	5.6	.0	1.3	79.9	
	TOT OBS												3572
	TOT PCT	13.3	17.5	25.7	17.6	7.3	4.7	4.7	7.7	.0	1.5	100.0	

PERIOD: (PRIMARY) 1922-1976
(OVER-ALL) 1864-1978

AREA 6019 PITCAIRN ISLAND
25.0S 129.9W

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET,NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00&03	.4	.3	.5	5.3	13.3	5.7	2.8	.6	.0	.1	29.0	71.0	806
06&09	.1	.2	.5	7.0	12.5	6.3	2.3	.7	.2	.3	30.0	70.0	724
12&15	.2	.2	1.7	5.0	12.6	7.1	2.2	.1	.3	.2	29.5	70.5	748
18&21	.0	.2	1.4	6.8	12.8	6.7	2.3	.3	.0	.1	30.6	69.4	847
TOT													3125
PCT	.4	.2	1.0	6.1	12.7	6.4	2.4	.4	.1	.2	29.7	70.3	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00&03	.0	.0	.6	.8	7.5	91.1	824
06&09	.0	.5	.3	1.3	25.0	72.8	970
12&15	.0	.0	.6	1.9	12.7	84.8	794
18&21	.1	.4	.4	2.0	23.0	74.2	1109
TOT							3697
PCT	*	.3	.4	1.6	17.8	79.9	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET,NH >4/8),BY HOUR

HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL OBS
00&03	.2	1.0	7.1	22.6	70.3	789
06&09	.1	.8	9.4	22.2	68.4	704
12&15	.2	2.1	8.2	22.0	69.8	734
18&21	.0	1.6	9.9	21.3	68.7	834
TOT						3061
PCT	.1	1.4	8.7	21.9	69.4	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
90/94	.0	.0	.0	.0	*	.0	.0	.0		*
85/89	.0	.0	.0	*	.2	.2	*	.0		.5
80/84	.0	*	.0	.1	1.7	4.3	1.7	.3		8.1
75/79	.0	.0	.1	.5	3.4	15.1	12.9	4.4		36.3
70/74	.0	*	.1	1.5	5.0	10.1	13.6	8.9		39.2
65/69	.0	*	.1	1.2	3.0	3.8	3.9	2.8		14.8
60/64	.0	.0	*	*	.2	.1	.4	.3		1.0
TOTAL									3668	100.0
PCT	.0	.1	.3	3.3	13.6	33.6	32.5	16.7		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
.0	.0	.0	.0	.0	.0	*	.0	.0	.0
.0	.2	.3	*	.0	.0	.0	.0	.0	.0
1.3	2.2	2.3	.7	.1	.2	.3	.8	.0	.1
6.1	8.5	10.0	4.7	1.4	.8	1.2	3.2	.0	.6
6.0	6.2	10.0	6.3	2.6	1.8	2.3	3.3	.0	.6
.5	.7	2.9	4.9	2.7	1.8	.8	.3	.0	.1
.0	.0	*	.4	.3	.2	.1	*	.0	.0
13.9	17.8	25.5	17.1	7.1	4.7	4.8	7.6	.0	1.4

TABLE 15

MEANS,EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	90%	5%	1%	MIN	MEAN	TOTAL OBS
00&03	91	83	80	75	70	67	63	75.0	985
06&09	82	77	76	73	69	66	62	73.0	1163
12&15	80	76	76	73	69	67	62	72.6	936
18&21	88	82	80	75	70	66	52	74.8	1449
TOT	91	81	79	74	69	67	52	73.9	4533

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00&03	.0	5.4	20.3	37.6	26.3	10.5	76	930
06&09	.0	2.8	10.2	32.9	33.5	20.6	80	928
12&15	.0	1.4	8.6	28.7	38.0	23.3	82	873
18&21	.0	4.7	14.6	34.9	32.1	13.7	78	1062
TOT	0	146	525	1270	1222	630	79	3793

ANNUAL

PERIOD: (PRIMARY) 1922-1978
(OVER-ALL) 1864-1978

AREA 0019 PITCAIRN ISLAND
25.0S 129.9W

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	61 64	65 68	69 72	73 76	77 80	81 84	85 88	89 92	TOT	W FOG	WO FOG
17/19	.0	.0	.0	.0	.0	*	*	*	3	.0	.1
14/16	.0	.0	.0	.0	*	*	*	.1	5	.0	.1
11/13	.0	.0	.0	.0	.0	.0	.0	*	1	.0	*
9/10	.0	.0	.0	.0	.0	*	*	.0	2	.0	.1
7/8	.0	.0	.1	.1	.2	.1	.1	*	17	.0	.6
6	.0	.0	.0	.1	.1	.2	.1	.0	15	.0	.5
5	.0	.0	.1	.4	.3	.3	.1	.0	41	.0	1.3
4	.0	.0	*	.5	.5	.6	.1	.0	53	.0	1.7
3	.0	.0	.3	1.3	1.0	.6	.1	.0	104	*	3.3
2	.0	*	.9	2.0	2.0	.9	.0	.0	186	.2	5.7
1	.0	.1	1.6	3.6	3.2	.9	.0	.0	296	.1	9.3
0	*	.2	3.5	4.8	4.5	.4	.0	.0	430	.3	13.2
-1	.0	.6	4.2	6.2	5.7	.2	.0	.0	538	.2	16.7
-2	.0	1.1	4.7	6.2	3.3	.1	.0	.0	509	.2	15.3
-3	.1	1.8	3.7	4.3	1.8	*	.0	.0	386	*	11.7
-4	.1	1.6	2.6	2.3	.8	.0	.0	.0	250	.1	7.3
-5	.1	2.1	1.8	1.1	.2	.0	.0	.0	180	.1	5.3
-6	.1	1.3	.9	.7	.1	.0	.0	.0	103	.0	3.1
-7/-8	.1	1.1	.8	.4	.1	.0	.0	.0	82	.0	2.5
-9/-10	.3	.2	.1	.1	.0	.0	.0	.0	23	.0	.7
-11/-13	.1	*	*	*	.0	.0	.0	.0	7	.0	.2
-14/-16	.0	.1	.0	.0	.0	.0	.0	.0	2	.0	.1
TOTAL									3233		
PCT	1.1	10.3	25.3	34.2	24.0	4.5	.5	.1	100.0	1.4	98.6

PERIOD: (OVER-ALL) 1963-1978

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.3	1.0	.0	.0	.0	.0	1.3
1-2	.3	2.5	.8	.0	.0	.0	3.5
3-4	.0	1.5	2.0	.1	.0	.0	3.6
5-6	.0	.3	2.0	.1	.0	.0	2.4
7	.0	.1	1.0	.3	.0	.0	1.3
8-9	.0	.0	.1	.1	.1	.0	.2
10-11	.0	.0	.1	.1	.0	.0	.2
12	.0	.0	.0	.0	.1	.0	.1
13-16	.0	.0	.0	.1	.0	.0	.1
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.5	5.4	5.9	.7	.1	.0	12.6

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.3	1.0	.0	.0	.0	.0	1.3
1-2	.5	3.9	1.5	.0	.0	.0	5.8
3-4	.1	2.8	2.4	.1	.0	.0	5.4
5-6	.0	.7	2.5	.1	.0	.0	3.3
7	.0	.3	1.1	.1	.0	.0	1.5
8-9	.0	.0	.1	.2	.0	.0	.3
10-11	.0	.0	*	.1	.0	.0	.1
12	.0	.0	.1	.0	.0	.0	.1
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.9	8.6	7.7	.6	.0	.0	17.8

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.2	.7	.0	.0	.0	.0	1.0
1-2	.3	5.4	1.6	.0	.0	.0	7.2
3-4	.1	3.8	5.7	.5	.0	.0	10.0
5-6	.0	1.1	4.0	1.0	*	.0	6.2
7	.0	.0	1.4	1.5	.5	*	3.4
8-9	.0	.0	.4	.0	.0	.0	.4
10-11	.0	.0	.1	.2	.0	.0	.3
12	.0	.0	.1	*	.0	.0	.2
13-16	.0	.0	.0	.1	.0	.0	.1
17-19	.0	.1	.0	.0	.0	.0	.1
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.6	11.0	13.4	3.3	.5	*	28.9

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.1	.7	.0	.0	.0	.0	.8
1-2	.1	2.4	.9	.0	.0	.0	3.3
3-4	.1	2.4	2.9	.2	.0	.0	5.5
5-6	.0	.4	2.8	.6	.0	.0	3.9
7	.0	*	1.3	.9	*	.0	2.2
8-9	.0	.0	.4	.2	.0	.0	.6
10-11	.0	.0	.1	*	.0	.0	.1
12	.0	.0	.1	.1	.0	.0	.2
13-16	.0	.0	.0	.1	.0	.0	.1
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.1	.0	.1
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.2	5.9	8.4	2.1	.1	.0	16.6

PERIOD: (OVER-ALL) 1963-1978

ANNUAL

AREA 0019 PITCAIRN ISLAND
25.0S 129.9W

TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

	S							SW						
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.4	.0	.0	.0	.0	.4	.2	.3	*	.0	.0	.0	.5
1-2	.1	1.7	.4	.0	.0	.0	2.1	*	.8	.3	.0	.0	.0	1.2
3-4	.0	.7	.8	.1	.0	.0	1.5	.0	.3	.6	.1	.0	.0	.9
5-6	.0	.2	.9	.2	.0	.0	1.2	.0	.1	.4	.1	.0	.0	.5
7	.0	.0	.7	*	.0	.0	.8	.0	.0	.4	.3	.0	.0	.6
8-9	.0	.0	.2	.2	.0	.0	.3	.0	.0	.1	.1	.0	.0	.2
10-11	.0	.0	.1	.1	.0	.0	.2	.0	*	.1	.3	.0	.0	.4
12	.0	.0	.2	*	.0	.0	.2	.0	.0	.1	.0	.1	.0	.2
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.1
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.1	2.9	3.3	.6	.0	.0	6.8	.2	1.5	2.0	.7	.1	.0	4.5

	W							NW							TOTAL
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	PCT
<1	.1	.2	*	.0	.0	.0	.3	.1	.2	.1	.0	.0	.0	.4	
1-2	.0	.7	.3	.0	.0	.0	1.1	*	1.8	.5	.0	.0	.0	2.3	
3-4	.0	.7	.7	.1	.0	.0	1.5	.0	.9	1.0	.1	.0	.0	2.0	
5-6	.0	.1	.5	.1	.0	.0	.6	.0	.2	.8	.1	.0	.0	1.1	
7	.0	.0	.2	.1	.0	.0	.3	.0	*	.6	.2	.1	.0	.9	
8-9	.0	.0	.1	.1	.0	.0	.1	.0	.0	.1	*	.0	.0	.1	
10-11	.0	*	.0	*	.0	.0	.1	.0	.0	*	.1	.0	.0	.1	
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.1	
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.0	.1	
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.1	1.7	1.8	.3	.0	.0	3.9	.2	3.1	3.1	.6	.2	.0	7.1	98.2

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	4.1	4.3	.1	.0	.0	.0	8.6	
1-2	1.6	19.3	6.0	.0	.0	.0	26.9	
3-4	.3	12.6	15.8	1.1	.0	.0	29.9	
5-6	.1	3.0	13.6	2.2	*	.0	18.8	
7	.0	.5	6.4	3.2	.6	*	10.7	
8-9	.0	.0	1.4	.8	.1	.0	2.3	
10-11	.0	.1	.5	.9	.0	.0	1.4	
12	.0	.0	.5	.2	.2	.0	.9	
13-16	.0	.0	.1	.3	.1	.0	.4	
17-19	.0	.1	.0	.0	.0	.0	.1	
20-22	.0	.0	.0	.0	.1	.0	.1	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
								1838
TOT PCT	6.1	39.8	44.5	8.7	1.0	*	100.0	

PERIOD: (OVER-ALL) 1949-1977

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	.8	4.6	7.5	6.2	4.4	2.1	.8	.4	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	661	5
6-7	.0	.6	3.7	7.7	6.9	4.1	2.4	1.0	.7	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	669	7
8-9	.0	.3	2.5	4.7	6.5	3.4	3.0	1.5	1.2	.5	.2	.1	.0	.0	.0	.0	.0	.0	.0	629	8
10-11	.0	.3	.3	1.1	1.3	1.9	1.3	.4	.5	.1	.1	.0	.0	*	.0	.0	.0	.0	.0	185	8
12-13	.0	.0	.8	.7	.8	.3	.6	.4	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	106	8
>13	.0	.0	.0	.3	.5	.4	.2	.1	.2	*	*	*	.0	.0	.0	.0	.0	.0	.0	45	9
INDET	.7	.6	1.3	1.7	2.0	1.5	.7	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	245	6
TOTAL																				2540	6
PCT	1.5	6.4	16.1	22.4	22.2	13.6	9.0	4.0	3.2	.9	.4	.2	.0	*	.0	.0	.0	.0	.0	100.0	

PERIOD: (PRIMARY) 1922-1978
(OVER-ALL) 1864-1978

AREA 0019 PITCAIRN ISLAND
25.0S 129.9W

TABLE 20

PERCENT FREQUENCY OF OCCURRENCE OF SEA TEMP (DEG F) BY MONTH

SEA TMP DEG F	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN	PCT
96+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
95/96	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
93/94	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
91/92	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
89/90	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
87/88	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
85/86	.0	.3	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	2	*
83/84	2.0	4.0	1.9	2.2	.0	.0	.0	.0	.0	.0	.0	.3	33	.8
81/82	10.0	17.4	19.3	8.6	.8	.3	.0	.0	.0	.0	.9	2.4	191	4.8
79/80	33.4	45.0	44.7	27.5	5.3	3.0	.6	.0	.0	.0	2.2	11.8	560	13.9
77/78	37.7	28.4	26.4	37.5	28.8	13.7	1.7	.0	.6	1.7	10.5	35.6	754	18.7
75/76	14.9	4.3	5.8	19.0	50.6	25.2	12.5	3.1	2.2	17.7	28.9	34.4	779	19.3
73/74	1.7	.6	1.6	4.1	10.2	34.7	33.4	23.4	26.3	35.7	37.2	10.6	731	18.1
71/72	.3	.0	.3	.4	3.0	18.8	31.4	42.5	42.8	28.7	16.0	3.3	624	15.5
69/70	.0	.0	.0	.7	.6	2.7	16.6	26.2	20.3	13.7	3.4	1.5	286	7.1
67/68	.0	.0	.0	.0	.4	1.5	3.2	3.9	7.5	2.3	.6	.0	65	1.6
65/66	.0	.0	.0	.0	.0	.0	.6	.6	.3	.3	.3	.0	7	.2
63/64	.0	.0	.0	.0	.0	.0	.0	.3	.0	.0	.0	.0	1	*
61/62	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
59/60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
57/58	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
55/56	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
53/54	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
51/52	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
49/50	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
47/48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
45/46	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
43/44	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
41/42	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
39/40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
37/38	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
35/36	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
33/34	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
31/32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
29/30	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
27/28	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
<27	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
TOTAL	350	327	311	269	472	329	344	355	320	300	325	331	4033	100.0
MEAN	78.2	79.2	79.1	77.9	75.9	74.1	72.3	71.3	71.3	72.6	74.1	76.4	75.2	

TABLE 21

PRESSURE (MB)

AVERAGE BY HOUR (GMT)

MO	0000	0300	0600	0900	1200	1500	1800	2100	MEAN	TOTAL OBS
JAN	1015		1016	1017	1015	1015	1018	1017	1016	356
FEB	1016		1017	1017	1017	1015	1019	1016	1017	338
MAR	1015	1010	1018	1018	1016	1021	1017	1017	1017	351
APR	1015		1017	1016	1014	1016	1016	1017	1015	317
MAY	1016	1020	1018	1018	1016	1020	1018	1019	1017	506
JUN	1018	1016	1019	1019	1016	1016	1019	1017	1018	348
JUL	1017	1019	1018	1019	1018	1020	1020	1020	1019	386
AUG	1017	1020	1020	1021	1018	1020	1020	1019	1019	381
SEP	1017	1015	1019	1019	1017	1016	1018	1019	1018	328
OCT	1019	1019	1020	1019	1018	1020	1020	1018	1019	312
NOV	1017		1018	1018	1017	1020	1018	1018	1017	328
DEC	1016		1018	1017	1016	1015	1017	1017	1017	319
ANN	1017	1017	1018	1018	1017	1018	1018	1018	1017	4270
OBS	917	53	825	236	863	71	943	362		

PERCENTILES

MO	MIN	1%	5%	25%	50%	75%	95%	99%	MAX
JAN	997	1002	1008	1014	1016	1019	1021	1023	1024
FEB	1004	1007	1010	1015	1017	1020	1022	1023	1024
MAR	1005	1007	1010	1014	1017	1019	1021	1022	1023
APR	1001	1003	1007	1014	1016	1018	1020	1022	1023
MAY	1001	1006	1010	1015	1018	1020	1023	1025	1026
JUN	996	1003	1009	1015	1019	1021	1024	1025	1029
JUL	1001	1005	1010	1016	1019	1022	1026	1027	1030
AUG	1000	1006	1011	1017	1019	1022	1025	1026	1028
SEP	1001	1005	1009	1016	1018	1021	1024	1026	1028
OCT	1006	1009	1013	1017	1020	1021	1024	1026	1027
NOV	1001	1006	1011	1016	1018	1020	1023	1025	1027
DEC	1002	1004	1011	1015	1017	1019	1022	1023	1025

JANUARY

PERIOD: (PRIMARY) 1960-1978
(OVER-ALL) 1918-1978

AREA 0020 EASTER ISLAND
27.1S 109.7W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

	PRECIPITATION TYPE									OTHER WEATHER PHENOMENA					
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG	DUST SNOW	NO SIG WEA
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	
NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	
E	.0	7.5	.0	.0	.0	.0	.0	7.5	.0	.0	.0	.0	.0	.0	92.5	
SE	.0	.0	.0	.0	.0	.0	.0	.0	9.5	.0	.0	.0	.0	.0	90.5	
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
NW	.0	.0	.0	.0	.0	.0	.0	.0	13.3	.0	.0	.0	.0	.0	86.7	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.0	2.3	.0	.0	.0	.0	.0	2.3	4.7	.0	.0	.0	.0	.0	93.0	
TOT OBS:	43															

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

	PRECIPITATION TYPE									OTHER WEATHER PHENOMENA					
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG	DUST SNOW	NO SIG WEA
00&03	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	
06&09	.0	7.7	.0	.0	.0	.0	.0	7.7	.0	.0	.0	.0	.0	.0	92.3	
12&15	.0	.0	.0	.0	.0	.0	.0	.0	16.7	.0	.0	.0	.0	.0	83.3	
18&21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	
TOT PCT	.0	2.3	.0	.0	.0	.0	.0	2.3	4.7	.0	.0	.0	.0	.0	93.0	
TOT OBS:	43															

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	WIND SPEED (KNOTS)									HOUR (GMT)							
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	2.2	3.8	4.9	.0	.0	.0		10.9	9.1	35.0	.0	17.5	.0	.0	.0	15.0	.0
NE	2.2	8.2	5.4	.0	.0	.0		15.8	8.0	10.0	.0	22.5	.0	22.2	20.0	15.0	.0
E	.0	14.1	16.8	.0	.0	.0		31.0	11.6	15.0	75.0	17.5	66.7	22.2	40.0	27.5	.0
SE	3.3	6.5	8.7	6.5	.0	.0		25.0	15.0	20.0	.0	30.0	33.3	38.9	40.0	10.0	.0
S	1.1	.0	.0	.0	.0	.0		1.1	2.0	.0	.0	.0	.0	5.6	.0	.0	.0
SW	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
W	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NW	.0	4.3	9.8	2.2	.0	.0		16.3	15.9	20.0	25.0	12.5	.0	11.1	.0	32.5	.0
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0							.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT OBS	4	17	21	4	0	0	46		12.2	5	4	10	3	9	5	10	0
TOT PCT	8.7	37.0	45.7	8.7	.0	.0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	.0

TABLE 3A

	WIND SPEED (KNOTS)								HOUR (GMT)			
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	06 09	12 15	18 21
N	3.8	5.4	1.6	.0	.0		10.9	9.1	19.4	13.5	.0	15.0
NE	7.1	8.7	.0	.0	.0		15.8	8.0	5.6	17.3	21.4	15.0
E	.0	26.6	4.3	.0	.0		31.0	11.6	41.7	28.8	28.6	27.5
SE	3.3	13.0	4.3	4.3	.0		25.0	15.0	11.1	30.8	39.3	10.0
S	1.1	.0	.0	.0	.0		1.1	2.0	.0	.0	3.6	.0
SW	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
W	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
NW	.0	7.1	9.2	.0	.0		16.3	15.9	22.2	9.6	7.1	32.5
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	.0						.0	.0	.0	.0	.0	.0
TOT OBS	7	28	9	2	0	46		12.2	9	13	14	10
TOT PCT	15.2	60.9	19.6	4.3	.0		100.0		100.0	100.0	100.0	100.0

JANUARY

PERIOD: (PRIMARY) 1960-1978
(OVER-ALL) 1918-1978

AREA 0020 EASTER ISLAND
27.1S 109.7W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS) 1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00603	.0	.0	55.6	33.3	11.1	.0	.0	13.1	100.0	9
06609	.0	7.7	30.8	53.8	7.7	.0	.0	12.7	100.0	13
12615	.0	21.4	35.7	35.7	7.1	.0	.0	10.4	100.0	14
18621	.0	.0	30.0	60.0	10.0	.0	.0	13.4	100.0	10
TOT	0	4	17	21	4	0	0	12.2		46
PCT	.0	8.7	37.0	45.7	8.7	.0	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	5.3	3.9	3.9	.0		2.6
NE	3.3	3.9	6.6	2.6		4.6
E	2.0	12.5	7.2	2.6		4.2
SE	6.6	2.6	2.6	13.2		5.5
S	1.3	.0	.0	.0		2.0
SW	.0	.0	.0	.0		.0
W	.0	.0	.0	.0		.0
NW	2.6	.7	13.8	2.6		6.0
VAR	.0	.0	.0	.0		.0
CALM	.0	.0	.0	.0		.0
TOT OBS	8	9	13	8	38	4.7
TOT PCT	21.1	23.7	34.2	21.1	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT,NH >4/8) AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

WND DIR	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	TOTAL OBS
N	.0	.0	.0	2.0	.0	.0	.0	.0	.0	.0	11.2	
NE	.0	.0	2.6	.7	.7	.0	.0	.0	.0	.0	12.5	
E	.0	.0	2.6	.0	7.2	.0	.0	.0	.0	.0	14.5	
SE	.0	.0	.0	5.3	10.5	.0	.0	.0	.0	.0	9.2	
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.3	
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
NW	.0	.0	.0	.0	5.3	.0	2.6	.0	.0	.0	11.8	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT OBS	0	0	2	3	9	0	1	0	0	0	23	38
TOT PCT	.0	.0	5.3	7.9	23.7	.0	2.6	.0	.0	.0	60.5	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) * OR >10	* OR >5	* OR >2	* OR >1	* OR >1/2	* OR >1/4	* OR >50YD	* OR >0
* OR >6500	.0	.0	.0	.0	.0	.0	.0	.0
* OR >5000	.0	.0	.0	.0	.0	.0	.0	.0
* OR >3500	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
* OR >2000	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
* OR >1000	23.7	26.3	26.3	26.3	26.3	26.3	26.3	26.3
* OR >600	28.9	34.2	34.2	34.2	34.2	34.2	34.2	34.2
* OR >300	31.6	36.8	39.5	39.5	39.5	39.5	39.5	39.5
* OR >150	31.6	36.8	39.5	39.5	39.5	39.5	39.5	39.5
* OR > 0	31.6	36.8	39.5	39.5	39.5	39.5	39.5	39.5
TOTAL	12	14	15	15	15	15	15	15

TOTAL NUMBER OF OBS: 38 PCT FREQ NH <5/8: 60.5

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8 OBSCD	TOTAL OBS
5.3	10.5	23.7	18.4	2.6	13.2	13.2	.0	13.2	.0	38

JANUARY

PERIOD: (PRIMARY) 1960-1978
(OVER-ALL) 1918-1978

AREA 0020 EASTER ISLAND
27.1S 109.7W

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	PCP	.0	.0	2.3	.0	.0	.0	.0	.0	.0	.0	2.3	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	2.3	.0	.0	.0	.0	.0	.0	.0	2.3	
5<10	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	4.7	7.0	.0	.0	.0	7.0	.0	.0	18.6	
	TOT %	.0	.0	4.7	7.0	.0	.0	.0	7.0	.0	.0	18.6	
10+	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	11.6	14.5	23.8	17.4	1.2	.0	.0	10.5	.0	.0	79.1	
	TOT %	11.6	14.5	23.8	17.4	1.2	.0	.0	10.5	.0	.0	79.1	
	TOT OBS												43
	TOT PCT	11.6	14.5	30.8	24.4	1.2	.0	.0	17.4	.0	.0	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	2.3	.0	.0	.0	.0	.0	.0		2.3	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	2.3	.0	.0	.0	.0	.0	.0	.0	2.3	
5<10	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	2.3	.0	.0	.0	.0	.0		2.3	
	11-21	.0	.0	4.7	2.3	.0	.0	.0	7.0	.0		14.0	
	22+	.0	.0	.0	2.3	.0	.0	.0	.0	.0		2.3	
	TOT %	.0	.0	4.7	7.0	.0	.0	.0	7.0	.0	.0	18.6	
10+	0-3	2.3	.0	.0	3.5	1.2	.0	.0	.0	.0	.0	7.0	
	4-10	4.1	8.7	10.5	2.3	.0	.0	.0	4.7	.0		30.2	
	11-21	5.2	5.8	13.4	7.0	.0	.0	.0	3.5	.0		34.9	
	22+	.0	.0	.0	4.7	.0	.0	.0	2.3	.0		7.0	
	TOT %	11.6	14.5	23.8	17.4	1.2	.0	.0	10.5	.0	.0	79.1	
	TOT OBS												43
	TOT PCT	11.6	14.5	30.8	24.4	1.2	.0	.0	17.4	.0	.0	100.0	

JANUARY

PERIOD: (PRIMARY) 1960-1978
(OVER-ALL) 1918-1978

AREA 0020 EASTER ISLAND
27.1S 109.7W

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00&03	.0	.0	.0	16.7	.0	.0	.0	.0	.0	.0	16.7	83.3	6
06&09	.0	.0	7.7	.0	38.5	.0	.0	.0	.0	.0	46.2	53.8	13
12&15	.0	.0	.0	.0	33.3	.0	.0	.0	.0	.0	33.3	66.7	9
18&21	.0	.0	10.0	20.0	10.0	.0	10.0	.0	.0	.0	50.0	50.0	10
TOT	0	0	2	3	9	0	1	0	0	0	15	23	38
PCT	.0	.0	5.3	7.9	23.7	.0	2.6	.0	.0	.0	39.5	60.5	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00&03	.0	.0	.0	.0	37.5	62.5	8
06&09	.0	.0	.0	7.7	23.1	69.2	13
12&15	.0	.0	.0	.0	16.7	83.3	12
18&21	.0	.0	.0	.0	.0	100.0	10
TOT	0	0	0	1	8	34	43
PCT	.0	.0	.0	2.3	18.6	79.1	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET, NH >4/8), BY HOUR

HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL OBS
00&03	.0	.0	16.7	.0	83.3	6
06&09	.0	7.7	7.7	38.5	53.8	13
12&15	.0	.0	.0	33.3	66.7	9
18&21	.0	10.0	30.0	20.0	50.0	10
TOT	0	2	5	10	23	38
PCT	.0	5.3	13.2	26.3	60.5	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
80/84	.0	.0	.0	.0	2.3	2.3	.0	.0	2	4.7
75/79	.0	.0	.0	.0	2.3	14.0	18.6	.0	15	34.9
70/74	.0	.0	.0	2.3	2.3	23.3	23.3	2.3	23	53.5
65/69	.0	.0	.0	.0	2.3	2.3	.0	2.3	3	7.0
TOTAL	0	0	0	1	4	18	18	2	43	100.0
PCT	.0	.0	.0	2.3	9.3	41.9	41.9	4.7		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
1.7	.6	2.3	.0	.0	.0	.0	.0	.0	.0
7.6	2.9	9.3	.0	.0	.0	.0	15.1	.0	.0
2.3	11.0	16.9	19.8	1.2	.0	.0	2.3	.0	.0
.0	.0	.0	7.0	.0	.0	.0	.0	.0	.0
11.6	14.5	28.5	26.7	1.2	.0	.0	17.4	.0	.0

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00&03	80	79	79	76	67	67	67	75.7	8
06&09	77	76	76	74	72	72	72	73.8	13
12&15	78	77	77	74	69	69	69	74.1	14
18&21	80	79	79	76	68	68	68	75.3	10
TOT	80	79	78	74	69	67	67	74.6	46

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00&03	.0	.0	25.0	37.5	37.5	.0	75	8
06&09	.0	.0	.0	38.5	61.5	.0	81	13
12&15	.0	8.3	.0	41.7	33.3	16.7	80	12
18&21	.0	.0	20.0	50.0	30.0	.0	76	10
TOT	0	1	4	18	18	2	78	43

PERIOD: (PRIMARY) 1960-1978
(OVER-ALL) 1918-1978

AREA 0020 EASTER ISLAND
27.1S 109.7W

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	65 68	69 72	73 76	77 80	TOT	W FOG	WO FOG
7/8	.0	.0	.0	2.7	1	.0	2.7
2	.0	.0	.0	16.2	6	.0	16.2
1	.0	.0	5.4	8.1	5	.0	13.5
0	.0	.0	5.4	2.7	3	.0	8.1
-1	2.7	.0	13.5	.0	6	.0	16.2
-2	2.7	2.7	13.5	.0	7	.0	18.9
-3	.0	.0	5.4	.0	2	.0	5.4
-4	.0	8.1	.0	.0	3	.0	8.1
-5	.0	5.4	2.7	.0	3	.0	8.1
-6	.0	.0	2.7	.0	1	.0	2.7
TOTAL	2		18		37	0	37
PCT	5.4	16.2	48.6	29.7	100.0		100.0

PERIOD: (OVER-ALL) 1963-1978

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	2.4	2.4	.0	.0	.0	4.8
3-4	.0	.0	4.8	.0	.0	.0	4.8
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	2.4	7.3	.0	.0	.0	9.7

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	11.3	4.0	.0	.0	.0	15.3
3-4	.0	.0	3.2	.0	.0	.0	3.2
5-6	.0	.0	.8	.0	.0	.0	.8
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	11.3	8.1	.0	.0	.0	19.4

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	5.6	.0	.0	.0	.0	5.6
3-4	.0	3.2	3.2	.0	.0	.0	6.5
5-6	.0	.0	8.9	.0	.0	.0	8.9
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	8.9	12.1	.0	.0	.0	21.0

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	3.2	.0	.0	.0	.0	.0	3.2
3-4	.0	3.2	6.5	.0	.0	.0	9.7
5-6	.0	.0	3.2	.0	.0	.0	3.2
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	3.2	.0	.0	.0	3.2
10-11	.0	.0	.0	6.5	.0	.0	6.5
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	3.2	.0	.0	3.2
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	3.2	3.2	12.9	9.7	.0	.0	29.0

PERIOD: (OVER-ALL) 1960-1978

JANUARY

AREA 0020 EASTER ISLAND
27.1S 109.7W

TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

	S							SW						
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

	W							NW							TOTAL
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	PCT
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
3-4	.0	.0	.0	.0	.0	.0	.0	.0	6.5	4.8	.0	.0	.0	11.3	
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.5	3.2	.0	.0	9.7	
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.0	.0	.0	.0	.0	.0	.0	.0	6.5	11.3	3.2	.0	.0	21.0	100.0

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	.0	.0	.0	.0	.0	.0	.0	
1-2	3.2	19.4	6.5	.0	.0	.0	29.0	
3-4	.0	12.9	22.6	.0	.0	.0	35.5	
5-6	.0	.0	19.4	3.2	.0	.0	22.6	
7	.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	3.2	.0	.0	.0	3.2	
10-11	.0	.0	.0	6.5	.0	.0	6.5	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	3.2	.0	.0	3.2	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	3.2	32.3	51.6	12.9	.0	.0	100.0	31

PERIOD: (OVER-ALL) 1960-1978

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	.0	6.1	9.1	3.0	6.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	8	4
6-7	.0	3.0	9.1	18.2	3.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	11	4
8-9	.0	.0	.0	.0	.0	3.0	.0	3.0	9.1	3.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6	13
10-11	.0	.0	.0	6.1	.0	.0	3.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3	7
12-13	.0	.0	6.1	.0	.0	.0	3.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3	5
>13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
INDET	.0	3.0	.0	3.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2	4
TOTAL	0	4	8	10	3	1	2	1	3	1	0	0	0	0	0	0	0	0	0	33	6
PCT	.0	12.1	24.2	30.3	9.1	3.0	6.1	3.0	9.1	3.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

FEBRUARY

PERIOD: (PRIMARY) 1956-1973
(OVER-ALL) 1868-1973

AREA 0020 EASTER ISLAND
27.1S 109.6W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

	PRECIPITATION TYPE									OTHER WEATHER PHENOMENA					
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT 06 TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
NE	.0	7.1	.0	.0	.0	.0	.0	7.1	.0	.0	.0	.0	.0	.0	.0	92.9
E	.0	.0	.0	.0	.0	.0	.0	.0	6.1	.0	.0	.0	.0	.0	.0	93.9
SE	.0	.0	.0	.0	.0	.0	.0	.0	10.3	.0	.0	.0	.0	.0	.0	89.7
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
SW	.0	.0	26.7	.0	.0	.0	.0	26.7	.0	.0	.0	.0	.0	.0	.0	73.3
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
TOT PCT	.0	1.9	1.9	.0	.0	.0	.0	3.8	3.8	.0	.0	.0	.0	.0	.0	92.5
TOT OBS:	53															

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

	PRECIPITATION TYPE									OTHER WEATHER PHENOMENA					
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT 06 TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
00&03	.0	.0	.0	.0	.0	.0	.0	.0	6.7	.0	.0	.0	.0	.0	.0	93.3
06&09	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
12&15	.0	8.3	8.3	.0	.0	.0	.0	16.7	.0	.0	.0	.0	.0	.0	.0	83.3
18&21	.0	.0	.0	.0	.0	.0	.0	.0	8.3	.0	.0	.0	.0	.0	.0	91.7
TOT PCT	.0	1.9	1.9	.0	.0	.0	.0	3.8	3.8	.0	.0	.0	.0	.0	.0	92.5
TOT OBS:	53															

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	WIND SPEED (KNOTS)								HOUR (GMT)							
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	.0	4.7	1.7	.0	.0	.0		6.4	10.7	7.1	25.0	6.7	.0	.0	.0	6.3	.0
NE	.8	11.4	10.6	1.7	.0	.0		24.6	11.3	16.1	37.5	23.3	.0	13.5	100.0	37.5	.0
E	.8	14.0	15.7	1.7	.0	.0		32.2	12.0	26.8	12.5	33.3	.0	50.0	.0	27.1	.0
SE	.0	3.8	14.4	1.7	.0	.0		19.9	14.8	28.6	.0	23.3	.0	21.2	.0	12.5	.0
S	.0	1.3	.0	.0	.0	.0		1.3	8.0	5.4	.0	.0	.0	.0	.0	.0	.0
SW	2.1	2.5	3.4	.0	.0	.0		8.1	9.1	16.1	.0	1.7	.0	15.4	.0	2.1	.0
W	1.3	1.3	.0	.0	.0	.0		2.5	4.5	.0	.0	5.0	.0	.0	.0	6.3	.0
NW	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	5.1							5.1	.0	.0	25.0	6.7	.0	.0	.0	8.3	.0
TOT OBS	6	23	27	3	0	0	59		11.2	14	4	15	0	13	1	12	0
TOT PCT	10.2	39.0	45.8	5.1	.0	.0		100.0		100.0	100.0	100.0	.0	100.0	100.0	100.0	.0

TABLE 3A

	WIND SPEED (KNOTS)								HOUR (GMT)			
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	06 09	12 15	18 21
N	.0	4.7	1.7	.0	.0		6.4	10.7	11.1	6.7	.0	6.3
NE	4.7	16.5	3.4	.0	.0		24.6	11.3	20.8	23.3	19.6	37.5
E	5.5	19.1	7.6	.0	.0		32.2	12.0	23.6	33.3	46.4	27.1
SE	.0	12.3	7.6	.0	.0		19.9	14.8	22.2	23.3	19.6	12.5
S	.0	1.3	.0	.0	.0		1.3	8.0	4.2	.0	.0	.0
SW	2.5	5.5	.0	.0	.0		8.1	9.1	12.5	1.7	14.3	2.1
W	2.5	.0	.0	.0	.0		2.5	4.5	.0	5.0	.0	6.3
NW	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	5.1						5.1	.0	5.6	6.7	.0	8.3
TOT OBS	12	35	12	0	0	59		11.2	18	15	14	12
TOT PCT	20.3	59.3	20.3	.0	.0		100.0		100.0	100.0	100.0	100.0

FEBRUARY

PERIOD: (PRIMARY) 1956-1973
(OVER-ALL) 1868-1973

AREA 0020 EASTER ISLAND
27.1S 109.6W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS) 1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00&03	5.6	5.6	27.8	55.6	5.6	.0	.0	12.1	100.0	18
06&09	6.7	.0	40.0	46.7	6.7	.0	.0	11.6	100.0	15
12&15	.0	7.1	57.1	28.6	7.1	.0	.0	10.8	100.0	14
18&21	8.3	8.3	33.3	50.0	.0	.0	.0	10.0	100.0	12
TOT	3	3	23	27	3	0	0	11.2		59
PCT	5.1	5.1	39.0	45.8	5.1	.0	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	2.2	1.6	2.2	.0		3.3
NE	5.4	10.3	5.4	.0		3.6
E	10.9	8.2	13.6	1.6		4.2
SE	5.4	6.0	9.2	.5		4.0
S	.0	1.6	.0	.0		4.0
SW	2.7	.5	2.7	2.2		4.4
W	1.6	.0	1.6	.0		3.0
NW	.0	.0	.0	.0		.0
VAR	.0	.0	.0	.0		.0
CALM	2.2	2.2	.0	.0		3.0
TOT OBS	14	14	16	2	46	3.9
TOT PCT	30.4	30.4	34.8	4.3	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT,NH >4/8) AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	TOTAL OBS
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.0	
.0	.0	.0	.0	2.2	.0	.0	.0	.0	.0	19.0	
.0	.0	.0	.0	3.8	8.2	.0	.0	.0	.0	22.3	
.0	.0	.0	2.2	.5	.5	.0	.0	.0	.0	17.9	
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.6	
.0	.0	.0	.0	2.2	.0	.0	.0	.0	.0	6.0	
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.3	
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.3	
0	0	0	1	4	4	0	0	0	0	37	46
.0	.0	.0	2.2	8.7	8.7	.0	.0	.0	.0	80.4	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) * OR >10	* OR >5	* OR >2	* OR >1	* OR >1/2	* OR >1/4	* OR >50YD	* OR >0
* OR >6500	.0	.0	.0	.0	.0	.0	.0	.0
* OR >5000	.0	.0	.0	.0	.0	.0	.0	.0
* OR >3500	.0	.0	.0	.0	.0	.0	.0	.0
* OR >2000	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9
* OR >1000	13.3	15.6	15.6	15.6	15.6	15.6	15.6	15.6
* OR >600	15.6	17.8	17.8	17.8	17.8	17.8	17.8	17.8
* OR >300	15.6	17.8	17.8	17.8	17.8	17.8	17.8	17.8
* OR >150	15.6	17.8	17.8	17.8	17.8	17.8	17.8	17.8
* OR > 0	15.6	17.8	17.8	17.8	17.8	17.8	17.8	17.8
TOTAL	7	8	8	8	8	8	8	8

TOTAL NUMBER OF OBS: 45 PCT FREQ NH <5/8: 82.2

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8 OBSCD	TOTAL OBS
4.3	8.5	36.2	17.0	14.9	2.1	8.5	4.3	4.3 .0	47

FEBRUARY

PERIOD: (PRIMARY) 1956-1973
(OVER-ALL) 1868-1973

AREA 0020 EASTER ISLAND
27.1S 109.6W

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
5<10	PCP	.0	1.9	.0	.0	.0	.0	.0	.0	.0	.0	1.9	
	NO PCP	1.9	1.9	1.4	.5	.0	.0	.0	.0	.0	1.9	7.7	
	TOT %	1.9	3.8	1.4	.5	.0	.0	.0	.0	.0	1.9	9.6	
10+	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	5.3	23.1	30.3	18.3	1.4	5.3	2.9	.0	.0	3.8	90.4	
	TOT %	5.3	23.1	30.3	18.3	1.4	5.3	2.9	.0	.0	3.8	90.4	
	TOT OBS												52
	TOT PCT	7.2	26.9	31.7	18.8	1.4	5.3	2.9	.0	.0	5.8	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
5<10	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.9	1.9	
	4-10	.0	1.9	.0	.0	.0	.0	.0	.0	.0		1.9	
	11-21	1.9	.0	1.4	.5	.0	.0	.0	.0	.0		3.8	
	22+	.0	1.9	.0	.0	.0	.0	.0	.0	.0		1.9	
	TOT %	1.9	3.8	1.4	.5	.0	.0	.0	.0	.0	1.9	9.6	
10+	0-3	.0	.0	.0	.0	.0	.5	1.4	.0	.0	3.8	5.8	
	4-10	5.3	11.1	15.9	2.4	1.4	2.9	1.4	.0	.0		40.4	
	11-21	.0	12.0	12.5	13.9	.0	1.9	.0	.0	.0		40.4	
	22+	.0	.0	1.9	1.9	.0	.0	.0	.0	.0		3.8	
	TOT %	5.3	23.1	30.3	18.3	1.4	5.3	2.9	.0	.0	3.8	90.4	
	TOT OBS												52
	TOT PCT	7.2	26.9	31.7	18.8	1.4	5.3	2.9	.0	.0	5.8	100.0	

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PERIOD: (PRIMARY) 1956-1973
(OVER-ALL) 1868-1973

AREA 0020 EASTER ISLAND
27.1S 109.6W

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00&03	.0	.0	.0	8.3	.0	8.3	.0	.0	.0	.0	16.7	83.3	12
06&09	.0	.0	.0	.0	7.7	15.4	.0	.0	.0	.0	23.1	76.9	13
12&15	.0	.0	.0	.0	30.0	.0	.0	.0	.0	.0	30.0	70.0	10
18&21	.0	.0	.0	.0	.0	8.3	.0	.0	.0	.0	8.3	91.7	12
TOT	0	0	0	1	4	4	0	0	0	0	9	38	47
PCT	.0	.0	.0	2.1	8.5	8.5	.0	.0	.0	.0	19.1	80.9	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00&03	.0	.0	.0	.0	20.0	80.0	15
06&09	.0	.0	.0	.0	.0	100.0	14
12&15	.0	.0	.0	.0	18.2	81.8	11
18&21	.0	.0	.0	.0	.0	100.0	12
TOT	0	0	0	0	5	47	52
PCT	.0	.0	.0	.0	9.6	90.4	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET, NH >4/8), BY HOUR

HOUR (GMT)	<150 <50YD	<600 <1	<1000 <3	1000+ AND5+	NH <5/8 AND 5+	TOTAL OBS
00&03	.0	.0	8.3	8.3	83.3	12
06&09	.0	.0	.0	23.1	76.9	13
12&15	.0	.0	.0	25.0	75.0	8
18&21	.0	.0	.0	8.3	91.7	12
TOT	0	0	1	7	37	45
PCT	.0	.0	2.2	15.6	82.2	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
80/84	.0	.0	.0	.0	1.8	3.6	.0	.0	3	5.5
75/79	.0	.0	1.8	1.8	3.6	38.2	18.2	3.6	37	67.3
70/74	.0	.0	.0	.0	3.6	9.1	14.5	.0	15	27.3
TOTAL	0	0	1	1	5	28	18	2	55	100.0
PCT	.0	.0	1.8	1.8	9.1	50.9	32.7	3.6		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
1.8	.0	.0	.0	.0	1.8	.0	.0	.0	1.8
3.2	20.9	18.2	12.3	1.4	6.8	2.7	.0	.0	1.8
.0	2.7	15.5	9.1	.0	.0	.0	.0	.0	.0
5.0	23.6	33.6	21.4	1.4	8.6	2.7	.0	.0	3.6

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00&03	81	80	80	76	70	70	70	76.5	18
06&09	80	79	79	75	72	72	72	75.1	15
12&15	77	76	76	74	72	72	72	74.3	14
18&21	80	79	79	77	74	74	74	76.8	12
TOT	81	80	80	76	72	70	70	75.7	59

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00&03	.0	.0	.0	73.3	20.0	6.7	79	15
06&09	.0	6.7	6.7	46.7	40.0	.0	76	15
12&15	.0	.0	15.4	15.4	61.5	7.7	81	13
18&21	.0	8.3	16.7	66.7	8.3	.0	73	12
TOT	0	2	5	28	18	2	77	55

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PERIOD: (PRIMARY) 1956-1973
(OVER-ALL) 1868-1973

AREA 0020 EASTER ISLAND
27.1S 109.6W

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	69 72	73 76	77 80	TOT	W FOG	WO FOG
1	.0	8.5	8.5	8	.0	17.0
0	.0	8.5	6.4	7	.0	14.9
-1	.0	23.4	12.8	17	.0	36.4
-2	.0	6.4	.0	3	.0	6.4
-3	2.1	12.8	.0	7	.0	14.9
-4	2.1	4.3	.0	3	.0	6.4
-5	.0	4.3	.0	2	.0	4.3
TOTAL	2		13		0	47
		32		47		
PCT	4.3	68.1	27.7	100.0		100.0

PERIOD: (OVER-ALL) 1963-1973

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	3.6	.0	.0	.0	.0	3.6
3-4	.0	4.8	.0	.0	.0	.0	4.8
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	8.3	.0	.0	.0	.0	8.3

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	4.8	.0	.0	.0	.0	4.8
1-2	.0	3.6	.0	.0	.0	.0	3.6
3-4	.0	.0	4.8	.0	.0	.0	4.8
5-6	.0	.0	6.0	.0	.0	.0	6.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	8.3	10.7	.0	.0	.0	19.0

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	11.9	.0	.0	.0	.0	11.9
3-4	.0	8.3	.0	.0	.0	.0	8.3
5-6	.0	4.8	3.6	.0	.0	.0	8.3
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	25.0	3.6	.0	.0	.0	28.6

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	4.8	4.8	.0	.0	.0	9.5
3-4	.0	1.2	.0	.0	.0	.0	1.2
5-6	.0	.0	4.8	.0	.0	.0	4.8
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	4.8	.0	.0	4.8
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	6.0	9.5	4.8	.0	.0	20.2

PERIOD: (OVER-ALL) 1963-1973

FEBRUARY

TABLE 18 (CONT)

AREA 0020 EASTER ISLAND
27.1S 109.0W

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

S

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	3.6	.0	.0	.0	.0	3.6
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	3.6	.0	.0	.0	.0	3.6

SW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	1.2	9.5	.0	.0	.0	10.7
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	1.2	9.5	.0	.0	.0	10.7

W

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0

NW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	.0	.0	.0	.0	.0	.0	.0	
1-2	.0	.0	.0	.0	.0	.0	.0	
3-4	.0	.0	.0	.0	.0	.0	.0	
5-6	.0	.0	.0	.0	.0	.0	.0	
7	.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.0	.0	.0	.0	.0	.0	.0	90.5

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	9.5	4.8	.0	.0	.0	.0	14.3	
1-2	.0	28.6	14.3	.0	.0	.0	42.9	
3-4	.0	14.3	4.8	.0	.0	.0	19.0	
5-6	.0	4.8	14.3	.0	.0	.0	19.0	
7	.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	4.8	.0	.0	4.8	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	9.5	52.4	33.3	4.8	.0	.0	100.0	21

PERIOD: (OVER-ALL) 1955-1973

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	2.3	14.0	7.0	9.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	14	3
6-7	.0	.0	.0	18.6	2.3	2.3	2.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	11	6
8-9	.0	.0	.0	7.0	.0	4.7	9.3	2.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	10	8
10-11	.0	.0	2.3	.0	2.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2	5
12-13	.0	.0	.0	.0	.0	2.3	2.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2	9
>13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
INDET	.0	2.3	.0	2.3	2.3	.0	2.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4	6
TOTAL	1	7	4	16	3	4	7	1	0	0	0	0	0	0	0	0	0	0	0	43	6
PCT	2.3	16.3	9.3	37.2	7.0	9.3	16.3	2.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

MARCH

PERIOD: (PRIMARY) 1950-1976
(OVER-ALL) 1934-1976

AREA 0020 EASTER ISLAND
27.1S 109.5W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG	DUST BLWG SNOW	NO SIG WEA
N	.0	.0	.0	.0	.0	.0	.0	.0	30.8	.0	.0	.0	.0	.0	.0	69.2
NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
E	.0	.0	.0	.0	.0	.0	.0	.0	4.9	.0	.0	.0	.0	.0	.0	95.1
SE	.0	19.5	.0	.0	.0	.0	.0	19.5	.0	.0	.0	.0	.0	.0	.0	80.5
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
TOT PCT	.0	4.0	.0	.0	.0	.0	.0	4.0	4.0	.0	.0	.0	.0	.0	.0	92.0
TOT OBS	50															

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG	DUST BLWG SNOW	NO SIG WEA
00&03	.0	.0	.0	.0	.0	.0	.0	.0	5.0	.0	.0	.0	.0	.0	.0	95.0
06&09	.0	7.7	.0	.0	.0	.0	.0	7.7	.0	.0	.0	.0	.0	.0	.0	92.3
12&15	.0	.0	.0	.0	.0	.0	.0	.0	14.3	.0	.0	.0	.0	.0	.0	85.7
18&21	.0	9.1	.0	.0	.0	.0	.0	9.1	.0	.0	.0	.0	.0	.0	.0	90.9
TOT PCT	.0	3.9	.0	.0	.0	.0	.0	3.9	3.9	.0	.0	.0	.0	.0	.0	92.2
TOT OBS:	51															

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	WIND SPEED (KNOTS)									HOUR (GMT)							
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	.0	2.1	1.3	3.4	.0	.0		6.8	18.6	5.0	.0	10.9	.0	13.9	.0	.0	.0
NE	.0	10.2	7.6	.0	.0	.0		17.8	10.6	16.3	.0	12.5	.0	19.4	.0	31.8	.0
E	1.3	19.9	16.1	.0	.0	.0		37.3	9.8	36.3	75.0	25.0	.0	44.4	.0	40.9	.0
SE	7.2	8.5	7.2	.0	.0	.0		22.9	7.6	22.5	25.0	31.3	.0	22.2	.0	11.4	.0
S	.0	3.4	4.7	.0	.0	.0		8.1	10.8	10.0	.0	12.5	.0	.0	.0	6.8	.0
SW	.0	.0	3.4	.0	.0	.0		3.4	13.0	10.0	.0	.0	.0	.0	.0	.0	.0
W	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NW	.0	1.7	.4	.0	.0	.0		2.1	9.2	.0	.0	1.6	.0	.0	.0	9.1	.0
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	1.7							1.7	.0	.0	.0	6.3	.0	.0	.0	.0	.0
TOT OBS	6	27	24	2	0	0	59		10.1	20	3	16	0	9	0	11	0
TOT PCT	10.2	45.8	40.7	3.4	.0	.0		100.0		100.0	100.0	100.0	.0	100.0	.0	100.0	.0

TABLE 3A

	WIND SPEED (KNOTS)								HOUR (GMT)			
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	06 09	12 15	18 21
N	.0	2.1	4.7	.0	.0		6.8	16.6	4.3	10.9	13.9	.0
NE	3.4	12.7	1.7	.0	.0		17.8	10.6	14.1	12.5	19.4	31.8
E	4.7	30.9	1.7	.0	.0		37.3	9.8	41.3	25.0	44.4	40.9
SE	12.3	10.2	.4	.0	.0		22.9	7.6	22.8	31.3	22.2	11.4
S	3.4	3.4	1.3	.0	.0		8.1	10.8	8.7	12.5	.0	6.8
SW	.0	3.4	.0	.0	.0		3.4	13.0	8.7	.0	.0	.0
W	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
NW	.0	1.7	.4	.0	.0		2.1	9.2	.0	1.6	.0	9.1
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	1.7						1.7	.0	.0	6.3	.0	.0
TOT OBS	15	38	6	0	0	59		10.1	23	16	9	11
TOT PCT	25.4	64.4	10.2	.0	.0		100.0		100.0	100.0	100.0	100.0

MARCH

PERIOD: (PRIMARY) 1950-1976
(OVER-ALL) 1934-1976

AREA 0020 EASTER ISLAND
27.1S 109.5W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS) 1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00&03	.0	4.3	56.5	34.8	4.3	.0	.0	10.1	100.0	23
06&09	0.3	18.8	37.5	31.3	6.3	.0	.0	9.4	100.0	16
12&15	.0	11.1	66.7	22.2	.0	.0	.0	8.0	100.0	9
18&21	.0	.0	18.2	81.8	.0	.0	.0	12.7	100.0	11
TOT	1	5	27	24	2	0	0	10.1		59
PCT	1.7	8.5	45.8	40.7	3.4	.0	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	3.7	.0	1.1	2.1		4.8
NE	11.2	4.8	5.9	.0		2.9
E	16.5	19.7	3.7	.0		2.6
SE	6.4	3.2	9.0	.0		4.3
S	.0	.0	5.9	.0		6.2
SW	.0	.0	2.1	.0		5.0
W	.0	.0	.0	.0		.0
NW	.5	.0	2.1	.0		5.0
VAR	.0	.0	.0	.0		.0
CALM	2.1	.0	.0	.0		2.0
TOT OBS	19	13	14	1	47	3.4
TOT PCT	40.4	27.7	29.8	2.1	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT, NH >4/8) AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

WND DIR	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	TOTAL OBS
N	.0	.0	.0	.0	.0	.0	1.1	.0	.0	.0	5.9	
NE	.0	.0	.0	.0	2.1	.0	1.1	.0	.0	.0	18.6	
E	.0	.0	.0	.0	.0	2.1	.0	.0	.0	.0	37.8	
SE	.0	.0	.0	2.7	.0	.0	4.3	.0	.0	.0	11.7	
S	.0	.0	.0	1.6	.0	.0	.0	2.1	.0	.0	2.1	
SW	.0	.0	.0	.0	.0	.0	.0	2.1	.0	.0	.0	
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.7	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.1	
TOT OBS	0	0	0	2	1	1	3	2	0	0	38	47
TOT PCT	.0	.0	.0	4.3	2.1	2.1	6.4	4.3	.0	.0	80.9	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) * OR >10	* OR >5	* OR >2	* OR >1	* OR >1/2	* OR >1/4	* OR >50YD	* OR >0
* OR >6500	.0	.0	.0	.0	.0	.0	.0	.0
* OR >5000	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2
* OR >3500	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4
* OR >2000	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5
* OR >1000	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6
* OR >600	18.8	18.8	18.8	18.8	18.8	18.8	18.8	18.8
* OR >300	18.8	18.8	18.8	18.8	18.8	18.8	18.8	18.8
* OR >150	18.8	18.8	18.8	18.8	18.8	18.8	18.8	18.8
* OR > 0	18.8	18.8	18.8	18.8	18.8	18.8	18.8	18.8
TOTAL	9	9	9	9	9	9	9	9

TOTAL NUMBER OF OBS: 48

PCT FREQ NH <5/8: 81.3

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8 OBSCD	TOTAL OBS
4.0	24.0	36.0	14.0	2.0	8.0	2.0	10.0	.0	.0	50

PERIOD: (PRIMARY) 1950-1976
(OVER-ALL) 1934-1976

AREA 0020 EASTER ISLAND
27.1S 109.5W

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
5<10	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	1.0	3.0	.0	.0	.0	.0	.0	.0	.0	4.0	
	TOT %	.0	1.0	3.0	.0	.0	.0	.0	.0	.0	.0	4.0	
10+	PCP	.0	.0	.0	4.0	.0	.0	.0	.0	.0	.0	4.0	
	NO PCP	6.5	19.5	37.5	16.5	5.5	2.0	.0	2.5	.0	2.0	92.0	
	TOT %	6.5	19.5	37.5	20.5	5.5	2.0	.0	2.5	.0	2.0	96.0	
	TOT OBS												50
	TOT PCT	6.5	20.5	40.5	20.5	5.5	2.0	.0	2.5	.0	2.0	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
5<10	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	1.0	1.0	.0	.0	.0	.0	.0	.0		2.0	
	11-21	.0	.0	2.0	.0	.0	.0	.0	.0	.0		2.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	1.0	3.0	.0	.0	.0	.0	.0	.0	.0	4.0	
10+	0-3	.0	.0	1.5	6.5	.0	.0	.0	.0	.0	2.0	10.0	
	4-10	1.0	10.5	21.0	7.5	2.0	.0	.0	2.0	.0		44.0	
	11-21	1.5	9.0	15.0	6.5	3.5	2.0	.0	.5	.0		38.0	
	22+	4.0	.0	.0	.0	.0	.0	.0	.0	.0		4.0	
	TOT %	6.5	19.5	37.5	20.5	5.5	2.0	.0	2.5	.0	2.0	96.0	
	TOT OBS												50
	TOT PCT	6.5	20.5	40.5	20.5	5.5	2.0	.0	2.5	.0	2.0	100.0	

MARCH

PERIOD: (PRIMARY) 1950-1976
(OVER-ALL) 1934-1976

AREA 0020 EASTER ISLAND
27.1S 109.5W

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00&03	.0	.0	.0	.0	.0	.0	.0	5.3	.0	.0	5.3	94.7	19
06&09	.0	.0	.0	.0	7.7	.0	15.4	7.7	.0	.0	30.8	69.2	13
12&15	.0	.0	.0	.0	.0	16.7	16.7	.0	.0	.0	33.3	66.7	6
18&21	.0	.0	.0	18.2	.0	.0	.0	.0	.0	.0	18.2	81.8	11
TOT	0	0	0	2	1	1	3	2	0	0	9	40	49
PCT	.0	.0	.0	4.1	2.0	2.0	6.1	4.1	.0	.0	18.4	81.6	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00&03	.0	.0	.0	.0	10.0	90.0	20
06&09	.0	.0	.0	.0	.0	100.0	13
12&15	.0	.0	.0	.0	.0	100.0	7
18&21	.0	.0	.0	.0	.0	100.0	11
TOT	0	0	0	0	2	49	51
PCT	.0	.0	.0	.0	3.9	96.1	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET, NH >4/8), BY HOUR

HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL OBS
00&03	.0	.0	.0	5.3	94.7	19
06&09	.0	.0	.0	33.3	66.7	12
12&15	.0	.0	.0	33.3	66.7	6
18&21	.0	.0	18.2	.0	81.8	11
TOT	0	0	2	7	39	48
PCT	.0	.0	4.2	14.6	81.3	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
80/84	.0	.0	.0	.0	3.6	1.8	.0	.0	3	5.5
75/79	.0	.0	.0	3.6	9.1	34.5	18.2	.0	36	65.5
70/74	.0	.0	.0	.0	1.8	10.9	14.5	1.8	16	29.1
TOTAL	0	0	0	2	8	26	18	1	55	100.0
PCT	.0	.0	.0	3.6	14.5	47.3	32.7	1.8		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
.0	.0	1.8	.0	.0	3.6	.0	.0	.0	.0
5.5	17.3	21.4	14.1	5.0	.0	.0	2.3	.0	.0
1.8	.9	11.8	9.1	3.6	.0	.0	.0	.0	1.8
7.3	18.2	35.0	23.2	8.6	3.6	.0	2.3	.0	1.8

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00&03	81	80	80	76	73	73	73	76.8	24
06&09	76	75	75	74	73	73	73	74.5	16
12&15	75	74	74	74	68	68	68	73.8	9
18&21	79	78	78	76	74	74	74	76.5	11
TOT	81	80	80	75	73	68	68	75.7	60

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00&03	.0	9.5	33.3	47.6	4.8	4.8	72	21
06&09	.0	.0	6.3	31.3	62.5	.0	80	16
12&15	.0	.0	.0	37.5	62.5	.0	80	8
18&21	.0	.0	.0	81.8	18.2	.0	76	11
TOT	0	2	8	27	18	1	76	56

PERIOD: (PRIMARY) 1950-1976
(OVER-ALL) 1934-1976

AREA 0020 EASTER ISLAND
27.1S 109.5W

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	73 76	77 80	TOT	W FOG	WO FOG
4	.0	2.2	1	.0	2.2
3	2.2	.0	1	.0	2.2
1	4.4	6.7	5	.0	11.1
0	15.6	4.4	9	.0	20.0
-1	20.0	6.7	12	.0	26.7
-2	17.8	.0	8	.0	17.8
-3	11.1	4.4	7	.0	15.6
-5	4.4	.0	2	.0	4.4
TOTAL	34			0	45
		11	45		
PCT	75.6	24.4	100.0		100.0

PERIOD: (OVER-ALL) 1963-1976

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	2.2	.0	.0	.0	2.2
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	5.9	.0	.0	5.9
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	2.2	5.9	.0	.0	8.1

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.7	.0	.0	.0	.0	.7
1-2	.0	9.6	1.5	.0	.0	.0	11.0
3-4	.0	2.9	5.9	.0	.0	.0	8.8
5-6	.0	.7	2.9	.0	.0	.0	3.7
7	.0	.0	2.9	.0	.0	.0	2.9
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	14.0	13.2	.0	.0	.0	27.2

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	2.2	.0	.0	.0	.0	2.2
1-2	2.2	8.1	13.2	.0	.0	.0	23.5
3-4	.0	8.1	.0	.0	.0	.0	8.1
5-6	.0	2.2	2.9	.0	.0	.0	5.1
7	.0	.0	2.9	.0	.0	.0	2.9
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	2.2	20.6	19.1	.0	.0	.0	41.9

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	5.9	.0	.0	.0	.0	.0	5.9
1-2	.7	2.9	.0	.0	.0	.0	3.7
3-4	.0	.7	2.9	.0	.0	.0	3.7
5-6	.0	.0	3.7	.0	.0	.0	3.7
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	6.6	3.7	6.6	.0	.0	.0	16.9

PERIOD: (OVER-ALL) 1964-1976

MARCH

TABLE 18 (CONT)

AREA 0020 EASTER ISLAND
27.1S 109.5W

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

S

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	2.2	.0	.0	.0	2.2
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	2.2	.0	.0	.0	2.2

SW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0

W

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0

NW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	.0	.0	.0	.0	.0	.0	.0	
1-2	.0	.0	.0	.0	.0	.0	.0	
3-4	.0	.0	.0	.0	.0	.0	.0	
5-6	.0	.0	.0	.0	.0	.0	.0	
7	.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.0	.0	.0	.0	.0	.0	.0	

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	8.8	2.9	.0	.0	.0	.0	11.8	
1-2	2.9	20.6	14.7	.0	.0	.0	38.2	
3-4	.0	11.8	11.8	.0	.0	.0	23.5	
5-6	.0	2.9	11.8	.0	.0	.0	14.7	
7	.0	.0	5.9	.0	.0	.0	5.9	
8-9	.0	.0	.0	5.9	.0	.0	5.9	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	11.8	38.2	44.1	5.9	.0	.0	100.0	34

PERIOD: (OVER-ALL) 1949-1976

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	.0	2.3	20.9	14.0	7.0	2.3	2.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	21	3
6-7	.0	.0	7.0	.0	2.3	4.7	2.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7	6
8-9	.0	.0	4.7	7.0	4.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7	5
10-11	.0	.0	.0	.0	2.3	7.0	4.7	.0	2.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7	9
12-13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
>13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
INDET	2.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	0
TOTAL	1	1	14	9	7	6	4	0	1	0	0	0	0	0	0	0	0	0	0	43	6
PCT	2.3	2.3	32.6	20.9	16.3	14.0	9.3	.0	2.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

APRIL

PERIOD: (PRIMARY) 1965-1977
(OVER-ALL) 1862-1977

AREA 0020 EASTER ISLAND
27.0S 109.0W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG	DUST SNOW BLWG	NO SIG WEA
N	.0	.0	.0	.0	.0	.0	.0	.0	13.6	.0	.0	.0	.0		.0	86.4
NE	.0	.0	.0	.0	.0	.0	.0	.0	3.6	.0	.0	.0	.0		.0	96.4
E	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	100.0
SE	20.0	.0	.0	.0	.0	.0	.0	20.0	20.0	.0	.0	.0	.0		.0	60.0
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	100.0
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	100.0
W	42.9	.0	.0	.0	.0	.0	.0	42.9	.0	.0	.0	.0	.0		.0	57.1
NW	4.5	.0	.0	.0	.0	.0	.0	4.5	4.5	18.2	.0	.0	.0		.0	72.7
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0
TOT PCT	5.1	.0	.0	.0	.0	.0	.0	5.1	7.7	2.6	.0	.0	.0		.0	84.6
TOT OBS:	39															

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG	DUST SNOW BLWG	NO SIG WEA
00&03	7.1	.0	.0	.0	.0	.0	.0	7.1	.0	.0	.0	.0	.0		.0	92.9
06&09	11.1	.0	.0	.0	.0	.0	.0	11.1	11.1	.0	.0	.0	.0		.0	77.8
12&15	.0	.0	.0	.0	.0	.0	.0	.0	16.7	8.3	.0	.0	.0		.0	75.0
18&21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	100.0
TOT PCT	5.0	.0	.0	.0	.0	.0	.0	5.0	7.5	2.5	.0	.0	.0		.0	85.0
TOT OBS:	40															

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	WIND SPEED (KNOTS)									HOUR (GMT)							
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	.0	13.5	12.8	1.9	.0	.0		28.2	12.5	38.6	.0	25.0	.0	17.5	50.0	35.0	.0
NE	2.6	9.0	6.4	.0	.0	.0		17.9	8.7	22.7	50.0	2.8	.0	22.5	.0	20.0	.0
E	2.6	6.4	4.5	.0	.0	.0		13.5	8.6	6.8	.0	16.7	.0	10.0	50.0	20.0	.0
SE	.0	8.3	4.5	.0	.0	.0		12.8	10.8	11.4	25.0	13.9	.0	20.0	.0	.0	.0
S	.0	2.6	1.3	.0	.0	.0		3.8	11.3	.0	25.0	.0	.0	10.0	.0	.0	.0
SW	.0	2.6	2.6	.0	.0	.0		5.1	12.0	9.1	.0	11.1	.0	.0	.0	.0	.0
W	.0	.0	2.6	1.9	.0	.0		4.5	21.1	6.8	.0	.0	.0	.0	.0	20.0	.0
NW	.0	1.3	11.5	1.3	.0	.0		14.1	15.2	4.5	.0	30.6	.0	20.0	.0	5.0	.0
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0							.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT OBS	2	17	18	2	0	0	39		11.7	11	2	9	0	10	2	5	0
TOT PCT	5.1	43.6	46.2	5.1	.0	.0		100.0		100.0	100.0	100.0	.0	100.0	100.0	100.0	.0

TABLE 3A

	WIND SPEED (KNOTS)								HOUR (GMT)			
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	06 09	12 15	18 21
N	2.6	19.2	6.4	.0	.0		28.2	12.5	32.7	25.0	22.9	35.0
NE	5.8	11.5	.6	.0	.0		17.9	8.7	26.9	2.8	18.8	20.0
E	4.5	9.0	.0	.0	.0		13.5	8.6	5.8	16.7	16.7	20.0
SE	2.6	9.0	1.3	.0	.0		12.8	10.8	13.5	13.9	16.7	.0
S	.0	2.6	1.3	.0	.0		3.8	11.3	3.8	.0	8.3	.0
SW	.0	5.1	.0	.0	.0		5.1	12.0	7.7	11.1	.0	.0
W	.0	2.6	.0	1.9	.0		4.5	21.1	5.8	.0	.0	20.0
NW	.0	12.8	.6	.6	.0		14.1	15.2	3.8	30.6	16.7	5.0
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	.0						.0	.0	.0	.0	.0	.0
TOT OBS	6	28	4	1	0	39		11.7	13	9	12	5
TOT PCT	15.4	71.8	10.3	2.6	.0		100.0		100.0	100.0	100.0	100.0

APRIL

PERIOD: (PRIMARY) 1965-1977
(OVER-ALL) 1862-1977

AREA 0020 EASTER ISLAND
27.0S 109.0W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS) 1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00&03	.0	7.7	30.8	53.8	7.7	.0	.0	12.7	100.0	13
06&09	.0	.0	44.4	44.4	11.1	.0	.0	12.0	100.0	9
12&15	.0	8.3	41.7	50.0	.0	.0	.0	11.3	100.0	12
18&21	.0	.0	80.0	20.0	.0	.0	.0	10.0	100.0	5
TOT	0	2	17	14	2	0	0	11.7		39
PCT	.0	5.1	43.6	46.2	5.1	.0	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	.0	2.3	11.4	12.1		6.5
NE	6.1	3.0	4.5	4.5		4.8
E	4.5	3.0	5.3	.0		4.1
SE	7.6	.0	3.0	3.0		4.0
S	.0	.0	3.0	.0		6.0
SW	.0	.0	6.1	.0		6.5
W	.0	.0	3.0	2.3		6.8
NW	3.0	3.8	6.1	2.3		4.6
VAR	.0	.0	.0	.0		.0
CALM	.0	.0	.0	.0		.0
TOT OBS	7	4	14	8	33	5.2
TOT PCT	21.2	12.1	42.4	24.2	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT,NH >4/8) AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

WND DIR	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	TOTAL OBS
N	.0	.0	.0	.0	7.6	3.0	.0	.0	.0	.0	15.2	
NE	.0	.0	.0	.0	3.8	.8	.0	.0	.0	.0	13.6	
E	.0	.0	.0	.0	.0	2.3	.0	.0	.0	.0	10.6	
SE	.0	.0	.0	3.0	.0	.0	.0	.0	.0	.0	10.6	
S	.0	.0	.0	.0	3.0	.0	.0	.0	.0	.0	.0	
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.0	3.0	
W	.0	2.3	.0	.0	3.0	.0	.0	.0	.0	.0	.0	
NW	.0	.8	.0	.0	3.8	.0	.0	.0	.0	.0	10.6	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT OBS	0	1	0	1	7	2	0	0	0	1	21	33
TOT PCT	.0	3.0	.0	3.0	21.2	6.1	.0	.0	.0	3.0	63.6	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) * OR >10	* OR >5	* OR >2	* OR >1	* OR >1/2	* OR >1/4	* OR >50YD	* OR >0
* OR >6500	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
* OR >5000	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
* OR >3500	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
* OR >2000	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8
* OR >1000	26.5	32.4	32.4	32.4	32.4	32.4	32.4	32.4
* OR >600	26.5	35.3	35.3	35.3	35.3	35.3	35.3	35.3
* OR >300	26.5	35.3	35.3	35.3	35.3	35.3	35.3	35.3
* OR >150	26.5	35.3	35.3	35.3	38.2	38.2	38.2	38.2
* OR > 0	26.5	35.3	35.3	35.3	38.2	38.2	38.2	38.2
TOTAL	9	12	12	12	13	13	13	13

TOTAL NUMBER OF OBS: 34 PCT FREQ NH <5/8: 61.8

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8 OBSCD	TOTAL OBS
.0	8.6	14.3	17.1	20.0	17.1	5.7	2.9	14.3	.0	35

PERIOD: (PRIMARY) 1965-1977
(OVER-ALL) 1862-1977

AREA 0020 EASTER ISLAND
27.0S 109.6W

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	PCP	.0	.0	.0	.0	.0	.0	1.9	.6	.0	.0	2.6	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	1.9	.6	.0	.0	2.6	
1<2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
5<10	PCP	.0	.0	.0	2.6	.0	.0	.0	.0	.0	.0	2.6	
	NO PCP	6.4	5.8	2.6	1.3	1.3	.0	.0	.6	.0	.0	17.9	
	TOT %	6.4	5.8	2.6	3.8	1.3	.0	.0	.6	.0	.0	20.5	
10+	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	21.8	12.2	10.9	9.0	2.6	5.1	2.6	12.8	.0	.0	76.9	
	TOT %	21.8	12.2	10.9	9.0	2.6	5.1	2.6	12.8	.0	.0	76.9	
	TOT OBS												39
	TOT PCT	28.2	17.9	13.5	12.8	3.8	5.1	4.5	14.1	.0	.0	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	1.9	.6	.0		2.6	
	TOT %	.0	.0	.0	.0	.0	.0	1.9	.6	.0	.0	2.6	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
5<10	0-3	.0	2.6	2.6	.0	.0	.0	.0	.0	.0	.0	5.1	
	4-10	4.5	.0	.0	2.6	.0	.0	.0	.6	.0		7.7	
	11-21	1.9	3.2	.0	1.3	1.3	.0	.0	.0	.0		7.7	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	6.4	5.8	2.6	3.8	1.3	.0	.0	.6	.0	.0	20.5	
10+	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	9.0	9.0	6.4	5.8	2.6	2.6	.0	.6	.0		35.9	
	11-21	10.9	3.2	4.5	3.2	.0	2.6	2.6	11.5	.0		38.5	
	22+	1.9	.0	.0	.0	.0	.0	.0	.6	.0		2.6	
	TOT %	21.8	12.2	10.9	9.0	2.6	5.1	2.6	12.8	.0	.0	76.9	
	TOT OBS												39
	TOT PCT	28.2	17.9	13.5	12.8	3.8	5.1	4.5	14.1	.0	.0	100.0	

APRIL

PERIOD: (PRIMARY) 1965-1977
(OVER-ALL) 1862-1977

AREA 0020 EASTER ISLAND
27.0S 109.6W

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00&03	.0	8.3	.0	.0	33.3	.0	.0	.0	.0	.0	41.7	58.3	12
06&09	.0	.0	.0	14.3	.0	14.3	.0	.0	.0	14.3	42.9	57.1	7
12&15	.0	.0	.0	.0	20.0	10.0	.0	.0	.0	.0	30.0	70.0	10
18&21	.0	.0	.0	.0	40.0	.0	.0	.0	.0	.0	40.0	60.0	5
TOT	0	1	0	1	8	2	0	0	0	1	13	21	34
PCT	.0	2.9	.0	2.9	23.5	5.9	.0	.0	.0	2.9	38.2	61.8	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00&03	.0	7.1	.0	.0	21.4	71.4	14
06&09	.0	.0	.0	.0	11.1	88.9	9
12&15	.0	.0	.0	.0	25.0	75.0	12
18&21	.0	.0	.0	.0	20.0	80.0	5
TOT	0	1	0	0	8	31	40
PCT	.0	2.5	.0	.0	20.0	77.5	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET, NH >4/8), BY HOUR

HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL OBS
00&03	.0	8.3	8.3	33.3	58.3	12
06&09	.0	.0	14.3	28.6	57.1	7
12&15	.0	.0	.0	30.0	70.0	10
18&21	.0	.0	.0	40.0	60.0	5
TOT	0	1	2	11	21	34
PCT	.0	2.9	5.9	32.4	61.8	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
75/79	.0	.0	.0	.0	12.1	3.0	9.1	3.0	9	27.3
70/74	.0	.0	.0	.0	15.2	12.1	30.3	9.1	22	66.7
65/69	.0	.0	.0	.0	3.0	.0	.0	3.0	2	6.1
TOTAL	0	0	0	0	10	5	13	5	33	100.0
PCT	.0	.0	.0	.0	30.3	15.2	39.4	15.2		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
10.6	7.6	4.5	1.5	.0	3.0	.0	.0	.0	.0
19.7	7.6	5.3	12.1	3.0	3.0	3.0	12.9	.0	.0
.0	.0	.0	.0	.0	.0	2.3	3.8	.0	.0
30.3	15.2	9.8	13.6	3.0	6.1	5.3	16.7	.0	.0

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00&03	79	78	78	74	68	68	68	74.0	14
06&09	75	74	74	72	70	70	70	72.6	9
12&15	79	78	78	73	69	69	69	73.4	12
18&21	78	77	77	73	71	71	71	73.8	5
TOT	79	78	78	73	69	68	68	73.5	40

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00&03	.0	.0	25.0	16.7	41.7	16.7	80	12
06&09	.0	.0	22.2	.0	55.6	22.2	82	9
12&15	.0	.0	33.3	33.3	22.2	11.1	76	9
18&21	.0	.0	50.0	.0	50.0	.0	74	4
TOT	0	0	10	5	14	5	78	34

PERIOD: (PRIMARY) 1965-1977
(OVER-ALL) 1862-1977

AREA 0020 EASTER ISLAND
27.0S 109.6W

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	65 68	69 72	73 76	77 80	TOT	W FOG	WO FOG
3	.0	.0	.0	2.6	1	.0	2.6
2	.0	.0	.0	5.3	2	.0	5.3
1	.0	.0	2.6	2.6	2	.0	5.3
0	.0	2.6	10.5	2.6	6	.0	15.8
-1	.0	.0	18.4	2.6	8	.0	21.1
-3	.0	7.9	13.2	.0	8	.0	21.1
-4	.0	10.5	2.6	.0	5	.0	13.2
-5	.0	10.5	.0	.0	4	.0	10.5
-6	2.6	.0	.0	.0	1	.0	2.6
-7/-8	.0	2.6	.0	.0	1	.0	2.6
TOTAL	1	13	18	6	38	0	38
PCT	2.6	34.2	47.4	15.8	100.0		100.0

PERIOD: (OVER-ALL) 1965-1977

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	12.1	.0	.0	.0	.0	12.1
3-4	.0	2.6	3.4	.0	.0	.0	6.0
5-6	.0	.0	8.6	.0	.0	.0	8.6
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	2.6	.0	.0	2.6
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	14.7	12.1	2.6	.0	.0	29.3

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	4.3	.0	.0	.0	.0	4.3
3-4	.0	.9	6.9	.0	.0	.0	7.8
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	5.2	6.9	.0	.0	.0	12.1

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	5.2	2.6	.0	.0	.0	7.8
5-6	.0	.0	3.4	.0	.0	.0	3.4
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	5.2	6.0	.0	.0	.0	11.2

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	3.4	.0	.0	.0	.0	3.4
3-4	.0	4.3	.9	.0	.0	.0	5.2
5-6	.0	.0	3.4	.0	.0	.0	3.4
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	7.8	4.3	.0	.0	.0	12.1

PERIOD: (OVER-ALL) 1963-1977

APRIL

AREA 0020 EASTER ISLAND
27.0S 109.6W

TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

	S							SW						
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	3.4	.0	.0	.0	.0	3.4
3-4	.0	3.4	.0	.0	.0	.0	3.4	.0	.0	3.4	.0	.0	.0	3.4
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	3.4	.0	.0	.0	.0	3.4	.0	3.4	3.4	.0	.0	.0	6.9

	W							NW							TOTAL
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	PCT
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.9	.0	.0	.0	.0	.9	
3-4	.0	.0	3.4	.0	.0	.0	3.4	.0	.9	6.9	.0	.0	.0	7.8	
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.7	.0	.0	.0	1.7	
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.9	.0	.0	.0	6.9	
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9	.0	.0	.9	
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	2.6	.0	.0	2.6	.0	.0	.0	.9	.0	.0	.9	
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.0	.0	3.4	2.6	.0	.0	6.0	.0	1.7	15.5	1.7	.0	.0	19.0	100.0

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	.0	.0	.0	.0	.0	.0	.0	
1-2	.0	24.1	.0	.0	.0	.0	24.1	
3-4	.0	17.2	27.6	.0	.0	.0	44.8	
5-6	.0	.0	17.2	.0	.0	.0	17.2	
7	.0	.0	6.9	.0	.0	.0	6.9	
8-9	.0	.0	.0	3.4	.0	.0	3.4	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	3.4	.0	.0	3.4	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.0	41.4	51.7	6.9	.0	.0	100.0	29

PERIOD: (OVER-ALL) 1963-1977

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	.0	3.3	6.7	3.3	6.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6	5
6-7	.0	.0	.0	10.0	3.3	13.3	3.3	3.3	3.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	11	8
8-9	.0	.0	.0	3.3	3.3	3.3	3.3	3.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5	8
10-11	.0	.0	.0	.0	6.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2	7
12-13	.0	.0	6.7	.0	3.3	.0	6.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5	7
>13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
INDET	.0	.0	.0	3.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	5
TOTAL	0	1	4	6	7	5	4	2	1	0	0	0	0	0	0	0	0	0	0	30	7
PCT	.0	3.3	13.3	20.0	23.3	16.7	13.3	6.7	3.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

PERIOD: (PRIMARY) 1963-1977
(OVER-ALL) 1858-1977

AREA 0020 EASTER ISLAND
27.2S 109.4W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
N	.0	18.2	.0	.0	.0	.0	.0	18.2	.0	.0	.0	.0	.0	.0	.0	81.8
NE	10.8	.0	.0	.0	.0	.0	.0	10.8	.0	.0	.0	.0	.0	.0	.0	89.2
E	10.5	.0	.0	.0	.0	.0	.0	10.5	.0	.0	.0	.0	.0	.0	.0	89.5
SE	.0	.0	.0	.0	.0	.0	.0	.0	6.3	.0	.0	.0	.0	.0	.0	93.7
S	.0	.0	.0	.0	.0	.0	.0	.0	9.8	.0	.0	.0	.0	.0	.0	90.2
SW	.0	7.7	.0	.0	.0	.0	.0	7.7	.0	.0	.0	.0	.0	.0	.0	92.3
W	10.5	.0	.0	.0	.0	.0	.0	10.5	.0	10.5	.0	.0	.0	.0	.0	78.9
NW	5.1	.0	5.1	.0	.0	.0	.0	10.1	5.1	.0	.0	.0	.0	.0	.0	84.8
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	16.7	16.7	.0	.0	.0	.0	.0	33.3	.0	.0	.0	.0	.0	.0	.0	66.7
TOT PCT	4.8	3.8	1.0	.0	.0	.0	.0	9.6	2.9	1.0	.0	.0	.0	.0	.0	86.5
TOT OBS:	104															

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
00&03	.0	6.5	.0	.0	.0	.0	.0	6.5	3.2	.0	.0	.0	.0	.0	.0	90.3
06&09	9.1	.0	.0	.0	.0	.0	.0	9.1	4.5	4.5	.0	.0	.0	.0	.0	81.8
12&15	6.9	6.9	.0	.0	.0	.0	.0	13.8	3.4	.0	.0	.0	.0	.0	.0	82.8
18&21	4.2	.0	4.2	.0	.0	.0	.0	8.3	.0	.0	.0	.0	.0	.0	.0	91.7
TOT PCT	4.7	3.8	.9	.0	.0	.0	.0	9.4	2.8	.9	.0	.0	.0	.0	.0	86.8
TOT OBS:	106															

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	WIND SPEED (KNOTS)									HOUR (GMT)						
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	1.9	5.2	1.4	1.4	.9	.0		10.8	13.1	11.0	25.0	4.8	.0	8.0	20.0	13.5	.0
NE	.9	6.1	1.9	.0	.0	.0		9.0	8.9	8.0	33.3	4.8	.0	11.0	10.0	9.2	.0
E	.0	5.2	4.5	.0	.0	.0		9.7	10.0	4.0	.0	8.3	.0	21.0	10.0	7.3	.0
SE	.0	11.6	2.4	.9	.0	.0		14.9	9.6	21.0	16.7	15.5	.0	8.0	.0	17.7	.0
S	.0	7.1	2.6	.0	.0	.0		9.7	9.7	17.0	16.7	14.3	.0	4.0	.0	4.2	.0
SW	1.9	6.1	2.4	1.9	.0	.0		12.3	11.2	10.0	.0	10.7	.0	12.0	.0	21.9	.0
W	.0	2.4	4.7	1.9	.0	.0		9.0	16.5	7.0	.0	8.3	.0	11.0	.0	13.5	.0
NW	.0	9.2	5.7	4.2	.0	.0		19.1	14.9	18.0	8.3	28.6	.0	17.0	20.0	16.7	.0
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	5.7							5.7	.0	4.0	.0	4.8	.0	8.0	40.0	.0	.0
TOT OBS	11	56	27	11	1	0	105		11.3	25	6	21	0	25	5	24	0
TOT PCT	10.4	52.8	25.5	10.4	.9	.0		100.0		100.0	100.0	100.0	.0	100.0	100.0	100.0	.0

TABLE 3A

	WIND SPEED (KNOTS)								HOUR (GMT)			
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	06 09	12 15	18 21
N	3.5	3.5	1.4	2.4	.0		10.8	13.1	13.7	4.8	10.0	13.5
NE	1.9	7.1	.0	.0	.0		9.0	8.9	12.9	4.8	10.8	5.2
E	2.6	7.1	.0	.0	.0		9.7	10.0	3.2	8.3	19.2	7.3
SE	4.0	9.9	.9	.0	.0		14.9	9.6	20.2	15.5	6.7	17.7
S	1.7	7.1	.9	.0	.0		9.7	9.7	16.9	14.3	3.3	4.2
SW	3.1	5.9	3.3	.0	.0		12.3	11.2	8.1	10.7	10.0	21.9
W	.0	5.0	3.1	.9	.0		9.0	16.5	5.6	8.3	9.2	13.5
NW	3.1	8.3	5.4	2.4	.0		19.1	14.9	16.1	28.6	17.5	16.7
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	5.7						5.7	.0	3.2	4.8	13.3	.0
TOT OBS	27	57	16	6	0	106		11.3	31	21	30	24
TOT PCT	25.5	53.8	15.1	5.7	.0		100.0		100.0	100.0	100.0	100.0

MAY

PERIOD: (PRIMARY) 1963-1977
(OVER-ALL) 1858-1977

AREA 0020 EASTER ISLAND
27.2S 109.4W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	1-3	4-10	WIND SPEED (KNOTS) 11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00&03	3.2	.0	61.3	19.4	12.9	3.2	.0	12.2	100.0	31
06&09	4.8	.0	61.9	19.0	14.3	.0	.0	11.1	100.0	21
12&15	13.3	10.0	40.0	30.0	6.7	.0	.0	10.0	100.0	30
18&21	.0	8.3	50.0	33.3	8.3	.0	.0	11.7	100.0	24
TOT	6	5	56	27	11	1	0	11.3		106
PCT	5.7	4.7	52.8	25.5	10.4	.9	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	2.2	2.7	3.0	.8		4.0
NE	2.7	1.1	2.4	1.1		4.4
E	3.8	1.9	1.1	3.0		4.3
SE	3.3	1.6	7.6	2.4		5.0
S	2.2	.8	6.0	1.1		5.0
SW	2.4	3.3	6.3	2.2		5.0
W	1.9	.0	4.9	3.5		6.1
NW	2.2	6.0	6.8	5.4		5.0
VAR	.0	.0	.0	.0		.0
CALM	2.2	1.1	1.1	.0		3.0
TOT OBS	21	17	36	18	92	4.8
TOT PCT	22.8	18.5	39.1	19.6	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT,NH >4/8) AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

WND DIR	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	TOTAL OBS
N	.0	.0	.0	.8	.0	2.2	.0	.0	.0	.0	5.7	
NE	.0	.0	.0	.0	2.2	.0	1.1	.0	.0	.0	4.1	
E	.0	.0	.0	.0	1.1	.0	.0	2.2	.0	.8	5.7	
SE	.0	.0	.0	1.1	3.3	3.3	.0	.0	.0	.3	7.1	
S	.0	.0	.0	.0	.8	4.1	.0	.0	.0	.0	5.2	
SW	.0	.0	.0	1.1	3.8	1.4	.0	.0	.0	.0	7.9	
W	1.1	.0	1.1	1.1	2.4	1.1	.0	.0	.0	.0	3.5	
NW	.0	.0	.0	2.4	2.7	4.3	.0	.0	.0	.0	10.9	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.0	.0	.0	.0	.0	.0	.0	1.1	.0	3.3	
TOT OBS	1	0	1	6	15	15	1	2	1	1	49	92
TOT PCT	1.1	.0	1.1	6.5	16.3	16.3	1.1	2.2	1.1	1.1	53.3	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) * OR >10	* OR >5	* OR >2	* OR >1	* OR >1/2	* OR >1/4	* OR >5OYD	* OR >0
* OR >6500	1.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
* OR >5000	2.1	4.3	4.3	4.3	4.3	4.3	4.3	4.3
* OR >3500	4.3	6.4	6.4	6.4	6.4	6.4	6.4	6.4
* OR >2000	20.2	22.3	22.3	22.3	22.3	22.3	22.3	22.3
* OR >1000	34.0	38.3	38.3	38.3	38.3	38.3	38.3	38.3
* OR >600	38.3	44.7	44.7	44.7	44.7	44.7	44.7	44.7
* OR >300	39.4	45.7	45.7	45.7	45.7	45.7	45.7	45.7
* OR >150	39.4	45.7	45.7	45.7	45.7	45.7	45.7	45.7
* OR > 0	40.4	46.8	46.8	46.8	46.8	46.8	46.8	46.8
TOTAL	38	44	44	44	44	44	44	44

TOTAL NUMBER OF OBS: 94 PCT FREQ NH <5/8: 53.2

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8 OBSCD	TOTAL OBS
6.4	14.9	10.6	12.8	8.5	10.6	16.0	11.7	8.5 .0	94

PERIOD: (PRIMARY) 1963-1977
(OVER-ALL) 1858-1977

AREA 0020 EASTER ISLAND
27.2S 109.4W

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
5<10	PCP	1.9	.0	.0	.0	.0	.0	.0	1.9	.0	1.9	5.8	
	NO PCP	.0	2.4	1.4	1.9	1.0	1.0	.0	1.9	.0	1.0	10.6	
	TOT %	1.9	2.4	1.4	1.9	1.0	1.0	.0	3.8	.0	2.9	16.3	
10+	PCP	.0	1.0	1.0	.0	.0	1.0	1.0	.0	.0	.0	3.8	
	NO PCP	8.7	5.5	6.7	13.2	8.9	10.6	8.2	15.1	.0	2.9	79.8	
	TOT %	8.7	6.5	7.7	13.2	8.9	11.5	9.1	15.1	.0	2.9	83.7	
	TOT OBS												104
	TOT PCT	10.6	8.9	9.1	15.1	9.9	12.5	9.1	19.0	.0	5.8	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
5<10	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.9	2.9	
	4-10	.0	2.4	1.4	.0	1.0	.0	.0	.0	.0		4.8	
	11-21	1.0	.0	.0	1.0	.0	.0	.0	1.9	.0		3.8	
	22+	1.0	.0	.0	1.0	.0	1.0	.0	1.9	.0		4.8	
	TOT %	1.9	2.4	1.4	1.9	1.0	1.0	.0	3.8	.0	2.9	16.3	
10+	0-3	1.9	1.0	.0	.0	.0	1.9	.0	.0	.0	2.9	7.7	
	4-10	5.3	3.6	3.1	11.8	6.3	6.3	2.4	9.4	.0		48.1	
	11-21	.0	1.9	4.6	1.4	2.6	2.4	4.8	3.4	.0		21.2	
	22+	1.4	.0	.0	.0	.0	1.0	1.9	2.4	.0		6.7	
	TOT %	8.7	6.5	7.7	13.2	8.9	11.5	9.1	15.1	.0	2.9	83.7	
	TOT OBS												104
	TOT PCT	10.6	8.9	9.1	15.1	9.9	12.5	9.1	19.0	.0	5.8	100.0	

MAY

PERIOD: (PRIMARY) 1963-1977
(OVER-ALL) 1858-1977

AREA 0020 EASTER ISLAND
27.2S 109.4W

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET,NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00&03	.0	.0	.0	16.0	8.0	20.0	4.0	.0	.0	.0	48.0	52.0	25
06&09	.0	.0	.0	.0	18.2	13.6	.0	.0	.0	4.5	36.4	63.6	22
12&15	4.3	.0	4.3	.0	17.4	13.0	4.3	4.3	4.3	.0	52.2	47.8	23
18&21	.0	.0	.0	8.3	20.8	16.7	.0	4.2	.0	.0	50.0	50.0	24
TOT	1	0	1	6	15	15	2	2	1	1	44	50	94
PCT	1.1	.0	1.1	6.4	16.0	16.0	2.1	2.1	1.1	1.1	46.8	53.2	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00&03	.0	.0	.0	.0	22.6	77.4	31
06&09	.0	.0	.0	.0	4.5	95.5	22
12&15	.0	.0	.0	.0	24.1	75.9	29
18&21	.0	.0	.0	.0	8.3	91.7	24
TOT	0	0	0	0	17	89	106
PCT	.0	.0	.0	.0	16.0	84.0	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET,NH >4/8), BY HOUR

HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL OBS
00&03	.0	.0	16.0	32.0	52.0	25
06&09	.0	.0	.0	36.4	63.6	22
12&15	4.3	8.7	8.7	43.5	47.8	23
18&21	.0	.0	8.3	41.7	50.0	24
TOT	1	2	8	36	50	94
PCT	1.1	2.1	8.5	38.3	53.2	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
80/84	.0	.0	2.0	.0	.0	.0	.0	.0	2	2.0
75/79	.0	.0	.0	.0	.0	2.0	1.0	.0	3	2.9
70/74	.0	.0	.0	.0	8.8	29.4	20.6	4.9	65	63.7
65/69	.0	.0	.0	.0	4.9	9.8	13.7	2.9	32	31.4
TOTAL	0	0	2	0	14	42	36	8	102	100.0
PCT	.0	.0	2.0	.0	13.7	41.2	35.3	7.8		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
1.0	.0	.0	.0	.0	.0	.0	1.0	.0	.0
.0	1.0	.0	.0	.0	.0	1.5	.5	.0	.0
9.8	5.6	5.4	8.1	3.4	6.4	6.1	15.0	.0	3.9
.0	2.7	4.7	5.4	5.6	6.4	1.7	2.9	.0	2.0
10.8	9.3	10.0	13.5	9.1	12.7	9.3	19.4	.0	5.9

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00&03	75	74	74	71	67	65	65	70.9	33
06&09	81	80	80	71	68	68	68	71.3	23
12&15	73	72	72	70	67	67	67	70.0	30
18&21	78	77	75	71	68	68	68	71.0	24
TOT	81	80	74	71	68	65	65	70.8	110

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00&03	.0	.0	10.3	58.6	27.6	3.4	78	29
06&09	.0	8.7	8.7	47.8	34.8	.0	74	23
12&15	.0	.0	13.3	26.7	40.0	20.0	81	30
18&21	.0	.0	20.8	41.7	33.3	4.2	77	24
TOT	0	2	14	46	36	8	77	106

PERIOD: (PRIMARY) 1963-1977
(OVER-ALL) 1858-1977

AREA 0020 EASTER ISLAND
27.2S 109.4W

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	65 68	69 72	73 76	77 80	81 84	TOT	W FOG	WO FOG
7/8	.0	.0	.0	.0	1.9	2	.0	1.9
3	.0	.0	.0	1.0	.0	1	.0	1.0
1	.0	1.0	.0	.0	.0	1	.0	1.0
0	.0	1.0	8.7	.0	.0	10	.0	9.6
-1	.0	17.3	3.8	.0	.0	22	.0	21.2
-2	.0	15.4	2.9	.0	.0	19	.0	18.3
-3	1.0	16.3	1.0	.0	.0	19	.0	18.3
-4	8.7	6.7	.0	.0	.0	16	.0	15.4
-5	7.7	1.9	.0	.0	.0	10	.0	9.6
-6	.0	1.9	.0	.0	.0	2	.0	1.9
-7/-8	1.0	.0	.0	.0	.0	1	.0	1.0
-9/-10	.0	1.0	.0	.0	.0	1	.0	1.0
TOTAL	19	65	17	1	2	104	0	104
PCT	18.3	62.5	16.3	1.0	1.9	100.0		100.0

PERIOD: (OVER-ALL) 1963-1977

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	5.8	.0	.0	.0	.0	5.8
1-2	1.5	1.5	.0	.0	.0	.0	3.1
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	2.3	.0	.0	2.3
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.5	7.3	.0	2.3	.0	.0	11.2

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.4	.0	.0	.0	.0	.4
1-2	.0	1.5	1.5	.0	.0	.0	3.1
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	1.5	1.5	.0	.0	.0	3.1
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	3.5	3.1	.0	.0	.0	6.5

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	1.5	.0	.0	.0	.0	1.5
1-2	.0	.0	4.2	.0	.0	.0	4.2
3-4	.0	1.5	1.5	.0	.0	.0	3.1
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	1.5	.0	.0	.0	1.5
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	3.1	7.3	.0	.0	.0	10.4

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	4.6	.0	.0	.0	.0	4.6
1-2	.0	4.6	1.9	.0	.0	.0	6.5
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	1.5	.0	.0	.0	.0	1.5
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	10.8	1.9	.0	.0	.0	12.7

MAY

PERIOD: (OVER-ALL) 1963-1977 AREA 0020 EASTER ISLAND 27.2S 109.4W

TABLE 1B (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

S

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	2.7	.0	.0	.0	.0	2.7
1-2	.0	4.2	.0	.0	.0	.0	4.2
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	1.5	.0	.0	.0	1.5
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	6.9	1.5	.0	.0	.0	8.5

SW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	3.5	.0	.0	.0	.0	3.5
1-2	.0	5.0	1.5	.0	.0	.0	6.5
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.8	.0	.0	.0	.8
8-9	.0	.0	.0	1.5	.0	.0	1.5
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	8.5	2.3	1.5	.0	.0	12.3

W

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	1.2	3.1	.0	.0	.0	4.2
3-4	.0	1.2	2.3	.0	.0	.0	3.5
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	2.3	1.5	.0	.0	3.8
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	1.5	.0	.0	1.5
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	2.3	7.7	3.1	.0	.0	13.1

NW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	.0	.0	.0	.0	.0	.0	.0	
1-2	.0	11.2	.0	.0	.0	.0	11.2	
3-4	.0	1.9	3.8	1.5	.0	.0	7.3	
5-6	.0	.0	3.1	1.5	.0	.0	4.6	
7	.0	.0	.0	1.5	.0	.0	1.5	
8-9	.0	.0	.0	.8	.0	.0	.8	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.0	13.1	6.9	5.4	.0	.0	25.4	100.0

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	.0	18.5	.0	.0	.0	.0	18.5	
1-2	1.5	29.2	12.3	.0	.0	.0	43.1	
3-4	.0	4.6	7.7	1.5	.0	.0	13.8	
5-6	.0	1.5	6.2	1.5	.0	.0	9.2	
7	.0	1.5	4.6	3.1	.0	.0	9.2	
8-9	.0	.0	.0	4.6	.0	.0	4.6	
10-11	.0	.0	.0	1.5	.0	.0	1.5	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	1.5	55.4	30.8	12.3	.0	.0	100.0	65

PERIOD: (OVER-ALL) 1960-1977

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	1.1	10.2	9.1	4.5	1.1	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	24	3
6-7	.0	.0	2.3	2.3	3.4	.0	1.1	2.3	3.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	13	9
8-9	.0	4.5	2.3	1.1	.0	2.3	1.1	1.1	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	12	6
10-11	.0	.0	.0	.0	.0	5.7	.0	.0	2.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7	9
12-13	.0	.0	8.0	1.1	3.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	11	4
>13	.0	.0	.0	4.5	5.7	5.7	.0	4.5	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	19	8
INDET	1.1	.0	.0	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2	4
TOTAL	2	13	19	12	13	12	3	7	7	0	0	0	0	0	0	0	0	0	0	88	6
PCT	2.3	14.8	21.6	13.6	14.8	13.6	3.4	8.0	8.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

JUNE

PERIOD: (PRIMARY) 1966-1977
(OVER-ALL) 1868-1977

AREA 0020 EASTER ISLAND
27.2S 109.4W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG	DUST BLWG SNOW	NO SIG WEA
N	5.9	4.0	.0	.0	.0	.0	.0	10.9	6.9	.0	3.0	.0	.0		.0	79.2
NE	4.2	.0	3.4	.0	.0	.0	.0	7.6	7.6	3.4	.8	.0	.0		.0	80.5
E	2.3	.0	.0	.0	.0	.0	.0	2.3	4.6	.0	.0	.0	.0		.0	93.1
SE	.0	.0	.0	.0	.0	.0	.0	.0	7.1	.0	.0	.0	.0		.0	92.9
S	.0	.0	7.5	.0	.0	.0	.0	7.5	5.7	.0	.0	.0	.0		.0	86.8
SW	8.6	.0	13.8	.0	.0	.0	.0	22.4	.0	3.4	.0	.0	.0		.0	74.1
W	21.2	.0	15.4	.0	.0	.0	.0	36.5	7.7	3.8	.0	.0	.0		.0	51.9
NW	17.0	.0	.0	.0	.0	.0	.0	17.0	4.3	4.3	.0	.0	.0		.0	78.7
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	100.0
TOT PCT	5.1	.4	2.4	.0	.0	.0	.0	7.9	5.5	1.2	.4	.0	.0		.0	85.4
TOT OBS:	253															

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG	DUST BLWG SNOW	NO SIG WEA
00&03	7.5	.0	.0	.0	.0	.0	.0	7.5	6.0	1.5	1.5	.0	.0		.0	85.1
06&09	4.9	.0	4.9	.0	.0	.0	.0	9.8	8.2	1.6	.0	.0	.0		.0	80.3
12&15	3.2	1.6	4.8	.0	.0	.0	.0	9.5	7.9	1.6	.0	.0	.0		.0	81.0
18&21	4.8	.0	.0	.0	.0	.0	.0	4.8	.0	.0	.0	.0	.0		.0	95.2
TOT PCT	5.1	.4	2.4	.0	.0	.0	.0	7.9	5.5	1.2	.4	.0	.0		.0	85.4
TOT OBS.	253															

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	WIND SPEED (KNOTS)									HOUR (GMT)						
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	.4	3.7	3.0	2.7	.0	.0		9.9	14.9	14.8	.0	9.4	.0	5.7	.0	10.5	.0
NE	.5	3.6	6.2	1.3	.0	.0		11.5	14.0	11.7	.0	15.6	.0	12.3	.0	8.1	.0
E	1.1	19.6	11.6	1.9	.0	.0		34.2	11.0	31.6	12.5	34.8	.0	38.1	.0	35.9	.0
SE	.4	9.6	7.8	.0	.0	.0		17.8	10.7	23.4	12.5	20.1	.0	13.9	.0	14.9	.0
S	.0	2.1	4.3	.0	.0	.0		6.3	13.3	4.7	25.0	2.9	.0	4.9	50.0	8.9	.0
SW	.0	3.3	2.1	.3	.0	.0		5.7	11.3	3.5	.0	4.9	.0	8.6	12.5	5.6	.0
W	.0	1.6	1.5	2.1	.0	.0		5.1	17.4	3.1	.0	4.9	.0	7.4	12.5	4.8	.0
NW	.0	6.2	2.6	.4	.0	.0		9.2	10.4	7.0	50.0	7.4	.0	9.0	25.0	9.7	.0
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.4							.4	.0	.0	.0	.0	.0	.0	.0	1.6	.0
TOT OBS	7	127	100	22	0	0	256		12.1	64	4	61	0	61	4	62	0
TOT PCT	2.7	49.6	39.1	8.6	.0	.0		100.0		100.0	100.0	100.0	.0	100.0	100.0	100.0	.0

TABLE 3A

	WIND SPEED (KNOTS)								HOUR (GMT)			
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	06 09	12 15	18 21
N	1.1	4.9	3.1	.8	.0		9.9	14.9	14.0	9.4	5.4	10.5
NE	1.7	5.5	4.4	.0	.0		11.5	14.0	11.0	15.6	11.5	8.1
E	6.6	23.3	3.4	.8	.0		34.2	11.0	30.5	34.8	35.8	35.9
SE	2.6	13.7	1.5	.0	.0		17.8	10.7	22.8	20.1	13.1	14.9
S	.0	4.4	2.0	.0	.0		6.3	13.3	5.9	2.9	7.7	8.9
SW	1.8	2.9	1.2	.0	.0		5.7	11.3	3.3	4.9	8.8	5.6
W	.4	2.6	.9	1.2	.0		5.1	17.4	2.9	4.9	7.7	4.8
NW	2.1	5.6	1.6	.0	.0		9.2	10.4	9.6	7.4	10.0	9.7
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	.4						.4	.0	.0	.0	.0	1.6
TOT OBS	42	161	46	7	0	256		12.1	68	61	65	62
TOT PCT	16.4	62.9	18.0	2.7	.0		100.0		100.0	100.0	100.0	100.0

JUNE

PERIOD: (PRIMARY) 1966-1977
(OVER-ALL) 1868-1977

AREA 0020 EASTER ISLAND
27.2S 109.4W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS) 1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00&03	.0	4.4	50.0	38.2	7.4	.0	.0	11.8	100.0	68
06&09	.0	.0	59.0	34.4	6.6	.0	.0	11.2	100.0	61
12&15	.0	3.1	50.8	35.4	10.8	.0	.0	12.0	100.0	65
18&21	1.6	1.6	38.7	48.4	9.7	.0	.0	13.3	100.0	62
TOT	1	6	127	100	22	0	0	12.1		256
PCT	.4	2.3	49.6	39.1	8.6	.0	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	2.1	1.9	4.0	2.5		5.0
NE	2.5	2.5	4.2	2.2		4.5
E	7.4	9.2	11.2	7.2		4.8
SE	1.0	3.5	9.2	4.9		5.6
S	.4	2.4	2.0	.7		4.6
SW	.0	1.4	2.3	1.6		6.0
W	.8	1.4	1.2	1.6		5.0
NW	1.2	2.5	2.2	2.6		5.2
VAR	.0	.0	.0	.0		.0
CALM	.0	.0	.0	.4		8.0
TOT OBS	39	60	88	56	243	5.0
TOT PCT	16.0	24.7	36.2	23.0	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT,NH >4/8) AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

WND DIR	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	TOTAL OBS
N	.4	.0	.0	.0	.8	2.9	.0	.0	.0	.0	6.3	
NE	.0	.0	.0	.8	.8	2.4	.0	.4	.0	.0	6.9	
E	.8	.0	.0	.0	1.9	10.7	3.2	.0	.0	.0	18.4	
SE	.4	.0	.0	.0	4.2	7.1	.5	.0	.0	.4	5.9	
S	.4	.0	.0	.0	1.2	.4	.0	.0	.0	.0	3.4	
SW	.0	.0	.0	.8	1.3	.8	.0	.0	.0	.0	2.4	
W	.0	.0	.0	1.6	.0	.0	.0	.0	.0	.0	3.5	
NW	.8	.0	.0	.0	1.6	.8	.0	.0	.0	.0	5.1	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	
TOT OBS	7	0	0	8	29	61	9	1	0	1	127	243
TOT PCT	2.9	.0	.0	3.3	11.9	25.1	3.7	.4	.0	.4	52.3	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) = OR >10	= OR >5	= OR >2	= OR >1	= OR >1/2	= OR >1/4	= OR >.5YD	= OR >0
= OR >6500	.4	.4	.4	.4	.4	.4	.4	.4
= OR >5000	.8	.8	.8	.8	.8	.8	.8	.8
= OR >3500	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6
= OR >2000	28.6	30.3	30.3	30.3	30.3	30.3	30.3	30.3
= OR >1000	37.8	41.6	41.6	41.6	41.6	41.6	41.6	41.6
= OR >600	39.1	44.5	44.5	45.0	45.0	45.0	45.0	45.0
= OR >300	39.1	44.5	44.5	45.0	45.0	45.0	45.0	45.0
= OR >150	39.1	44.5	44.5	45.0	45.0	45.0	45.0	45.0
= OR > 0	39.5	45.4	45.4	45.8	46.6	46.6	46.6	46.6
TOTAL	94	108	108	109	111	111	111	111

TOTAL NUMBER OF OBS: 238 PCT FREQ NH <5/8: 53.4

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8 OBSCD	TOTAL OBS
7.4	3.3	11.5	15.6	14.4	6.2	11.9	18.1	9.5 2.1	243

JUNE

PERIOD: (PRIMARY) 1966-1977
(OVER-ALL) 1868-1977

AREA 0020 EASTER ISLAND
27.2S 109.4W

TABLE C

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	PCP	.0	.0	.8	.0	.0	.0	.0	.0	.0	.0	.8	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.8	.0	.0	.0	.0	.0	.0	.0	.8	
1<2	PCP	.0	.0	.0	.0	.0	.0	.4	.0	.0	.0	.4	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.4	.0	.0	.0	.4	
2<5	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
5<10	PCP	.7	.5	.0	.0	.0	.4	.8	.4	.0	.0	2.8	
	NO PCP	.0	.4	1.0	1.1	.7	.2	.6	1.2	.0	.0	5.2	
	TOT %	.7	.9	1.0	1.1	.7	.6	1.4	1.6	.0	.0	8.1	
10+	PCP	.0	.4	.0	.0	.4	.5	.7	.0	.0	.0	2.0	
	NO PCP	9.1	10.6	33.5	17.2	4.2	4.3	2.7	6.7	.0	.4	88.7	
	TOT %	9.1	11.0	33.5	17.2	4.6	4.8	3.4	6.7	.0	.4	90.7	
	TOT OBS												248
	TOT PCT	9.8	11.9	35.3	18.3	5.3	5.4	5.2	8.3	.0	.4	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.8	.0	.0	.0	.0	.0	.0		.8	
	TOT %	.0	.0	.8	.0	.0	.0	.0	.0	.0	.0	.8	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.4	.0	.0		.4	
	TOT %	.0	.0	.0	.0	.0	.0	.4	.0	.0	.0	.4	
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
5<10	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.3	.1	1.0	.2	.0	.4	.8	.8	.0		3.6	
	11-21	.4	.4	.0	.9	.7	.0	.0	.8	.0		3.2	
	22+	.0	.4	.0	.0	.0	.2	.6	.0	.0		1.2	
	TOT %	.7	.9	1.0	1.1	.7	.6	1.4	1.6	.0	.0	8.1	
10+	0-3	.4	.3	1.1	.4	.0	.0	.0	.0	.0	.4	2.8	
	4-10	3.5	3.6	19.3	9.7	1.3	2.6	.8	4.3	.0		45.2	
	11-21	2.7	5.9	12.0	7.2	3.3	2.1	1.5	1.9	.0		36.7	
	22+	2.4	.9	1.1	.0	.0	.1	1.1	.4	.0		6.0	
	TOT %	9.1	11.0	33.5	17.2	4.6	4.8	3.4	6.7	.0	.4	90.7	
	TOT OBS												248
	TOT PCT	9.8	11.9	35.3	18.3	5.3	5.4	5.2	8.3	.0	.4	100.0	

JUNE

PERIOD: (PRIMARY) 1966-1977
(OVER-ALL) 1868-1977

AREA 0020 EASTER ISLAND
27.2S 109.4W

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00&03	1.6	.0	.0	1.6	15.6	28.1	6.3	.0	.0	.0	53.1	46.9	64
06&09	3.4	.0	.0	3.4	11.9	16.9	5.1	.0	.0	.0	40.7	59.3	59
12&15	3.4	.0	.0	6.9	8.6	19.0	.0	.0	.0	1.7	39.7	60.3	58
18&21	3.2	.0	.0	1.6	11.3	35.5	3.2	1.6	.0	.0	56.5	43.5	62
TOT	7	0	0	8	29	61	9	1	0	1	116	127	243
PCT	2.9	.0	.0	3.3	11.9	25.1	3.7	.4	.0	.4	47.7	52.3	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00&03	.0	.0	.0	.0	13.6	86.4	66
06&09	.0	.0	1.7	.0	3.4	94.9	59
12&15	.0	1.6	.0	.0	9.7	88.7	62
18&21	.0	1.6	.0	.0	4.9	93.4	61
TOT	0	2	1	0	20	225	248
PCT	.0	.8	.4	.0	8.1	90.7	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET, NH >4/8), BY HOUR

HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL OBS
00&03	.0	.0	1.6	50.8	47.6	63
06&09	1.8	1.8	5.3	33.3	61.4	57
12&15	1.8	1.8	8.8	29.8	61.4	57
18&21	3.3	3.3	4.9	50.8	44.3	61
TOT	4	4	12	99	127	238
PCT	1.7	1.7	5.0	41.6	53.4	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
75/79	.0	.0	.0	.0	3.3	.0	.0	.0	8	3.3
70/74	.0	.0	.0	1.2	6.1	13.9	8.2	.8	74	30.3
65/69	.0	.0	.0	2.9	10.2	25.0	22.5	3.3	156	63.9
60/64	.0	.0	.0	.0	.8	1.2	.0	.4	6	2.5
TOTAL	0	0	0	10	50	98	75	11	244	100.0
PCT	.0	.0	.0	4.1	20.5	40.2	30.7	4.5		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

	N	NE	E	SE	S	SW	W	NW	VAR	CALM
	.0	.3	2.6	.0	.0	.0	.0	.4	.0	.0
	5.9	5.9	7.5	2.9	.3	.6	3.1	3.7	.0	.4
	4.4	5.8	25.3	15.0	4.0	3.5	1.6	4.3	.0	.0
	.0	.0	.0	.5	1.1	.4	.4	.0	.0	.0
	10.3	12.1	35.3	18.3	5.4	4.5	5.1	8.4	.0	.4

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00&03	75	74	72	69	65	61	61	68.8	68
06&09	75	74	70	68	63	62	62	68.1	61
12&15	75	74	71	68	65	60	60	67.6	65
18&21	77	76	73	69	65	65	65	69.3	62
TOT	77	75	72	69	65	62	60	68.4	256

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00&03	.0	6.3	19.0	46.0	23.8	4.8	75	63
06&09	.0	1.7	22.0	35.6	39.0	1.7	76	59
12&15	.0	1.7	18.3	43.3	30.0	6.7	76	60
18&21	.0	6.5	22.6	35.5	30.6	4.8	75	62
TOT	0	10	50	98	75	11	75	244

PERIOD: (PRIMARY) 1966-1977
(OVER-ALL) 1868-1977

AREA 0020 EASTER ISLAND
27.2S 109.4W

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	57 60	61 64	65 68	69 72	73 76	77 80	TOT	W FOG	WO FOG
6	.0	.0	.0	.0	.0	.4	1	.0	.4
5	.0	.0	.0	.0	.4	.0	1	.0	.4
4	.0	.0	.0	.0	2.8	.0	7	.0	2.8
3	.0	.0	.0	.0	.4	.0	1	.0	.4
2	.0	.0	.0	.8	.0	.0	2	.0	.8
1	.0	.0	.0	1.6	.0	.0	4	.0	1.6
0	.0	.0	.0	8.0	.8	.0	22	.0	8.8
-1	.0	.0	1.2	12.4	.0	.0	34	.0	13.5
-2	.0	.0	3.2	16.3	.0	.0	49	.0	19.5
-3	.0	.0	5.6	6.4	.0	.0	30	.0	12.0
-4	.0	.4	13.9	.4	.0	.0	37	.4	14.3
-5	.0	.0	5.2	1.6	.0	.0	17	.0	6.8
-6	.0	.4	4.8	.0	.0	.0	13	.0	5.2
-7/-8	.0	.8	6.8	.0	.0	.0	19	.0	7.6
-9/-10	.0	.4	3.6	.0	.0	.0	10	.0	4.0
-11/-13	.4	1.2	.0	.0	.0	.0	4	.0	1.6
TOTAL	1		111		11			1	250
		8		119		1	251		
PCT	.4	3.2	44.2	47.4	4.4	.4	100.0	.4	99.6

PERIOD: (OVER-ALL) 1963-1977

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.5	.0	.0	.0	.0	.5
1-2	.5	2.2	1.1	.0	.0	.0	3.7
3-4	.0	1.3	.7	.0	.0	.0	2.0
5-6	.0	.0	1.4	.7	.0	.0	2.1
7	.0	.0	.0	1.8	.0	.0	1.8
8-9	.0	.0	.5	.4	.0	.0	.8
10-11	.0	.0	.0	.5	.0	.0	.5
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.5	4.0	3.6	3.3	.0	.0	11.3

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.9	.0	.0	.0	.0	.9
1-2	.1	1.8	.2	.0	.0	.0	2.1
3-4	.0	.9	2.0	.0	.0	.0	2.9
5-6	.0	.0	3.3	1.3	.0	.0	4.6
7	.0	.0	.9	.1	.0	.0	1.1
8-9	.0	.0	.5	.1	.0	.0	.6
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.1	3.6	6.9	1.5	.0	.0	12.1

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.5	2.7	1.2	.0	.0	.0	4.3
1-2	.4	11.0	3.5	.0	.0	.0	14.8
3-4	.0	3.4	4.3	.0	.0	.0	7.7
5-6	.0	1.4	4.0	.4	.0	.0	5.7
7	.0	.0	.5	.0	.0	.0	.5
8-9	.0	.0	.0	.9	.0	.0	.9
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.8	18.5	13.4	1.3	.0	.0	34.0

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.5	2.5	.7	.0	.0	.0	3.6
1-2	.0	4.8	1.3	.0	.0	.0	6.1
3-4	.0	2.0	4.6	.0	.0	.0	6.5
5-6	.0	.0	1.2	.0	.0	.0	1.2
7	.0	.0	.1	.0	.0	.0	.1
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.5	9.2	7.8	.0	.0	.0	17.5

JUNE

PERIOD: (OVER-ALL) 1963-1977 AREA 0020 EASTER ISLAND

TABLE 18 (CONT) 27.2S 109.4W

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

S

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.5	.0	.0	.0	.5
1-2	.0	.7	.4	.0	.0	.0	1.1
3-4	.0	.8	2.3	.0	.0	.0	3.2
5-6	.0	.0	.5	.0	.0	.0	.5
7	.0	.0	.4	.0	.0	.0	.4
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.4	.0	.0	.0	.4
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	1.5	4.3	.0	.0	.0	5.8

SW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	1.9	.0	.0	.0	.0	1.9
1-2	.0	1.6	.5	.0	.0	.0	2.1
3-4	.0	.5	.0	.0	.0	.0	.5
5-6	.0	.0	.5	.0	.0	.0	.5
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.6	.0	.0	.0	.6
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	4.0	1.5	.0	.0	.0	5.5

W

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.9	.0	.0	.0	.0	.9
3-4	.0	.5	1.3	.0	.0	.0	1.8
5-6	.0	.0	.5	.0	.0	.0	.5
7	.0	.0	.0	1.4	.0	.0	1.4
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	1.4	1.8	1.4	.0	.0	4.6

NW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	.0	.0	.0	.0	.0	.0	.0	
1-2	.0	5.0	.1	.0	.0	.0	5.1	
3-4	.0	.5	1.2	.0	.0	.0	1.6	
5-6	.0	.0	.9	.0	.0	.0	.9	
7	.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	1.4	.0	.0	.0	.0	1.4	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.0	6.9	2.2	.0	.0	.0	9.1	100.0

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	.9	8.4	2.3	.0	.0	.0	11.7	
1-2	.9	28.0	7.0	.0	.0	.0	36.0	
3-4	.0	9.8	16.4	.0	.0	.0	26.2	
5-6	.0	1.4	12.1	2.3	.0	.0	15.9	
7	.0	.0	1.9	3.3	.0	.0	5.1	
8-9	.0	.0	.9	1.4	.0	.0	2.3	
10-11	.0	1.4	.9	.5	.0	.0	2.8	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	1.9	49.1	41.6	7.5	.0	.0	100.0	214

PERIOD: (OVER-ALL) 1966-1977

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	.4	16.5	14.3	7.8	1.3	.0	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	95	3
6-7	.0	1.7	.4	4.8	4.3	4.3	1.7	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	42	7
8-9	.0	.0	.9	2.6	1.3	.9	3.0	.4	1.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	25	8
10-11	.0	.0	.0	1.3	1.3	.4	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	8	7
12-13	.0	.0	2.2	2.6	2.6	.4	.0	1.7	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	7
>13	.0	.0	.0	.0	3.0	1.3	.0	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	12	8
INDET	2.2	2.6	1.3	3.0	.4	.0	.9	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	25	4
TOTAL	6	48	44	51	33	17	16	10	5	0	0	0	0	0	0	0	0	0	0	230	5
PCT	2.6	20.9	19.1	22.2	14.3	7.4	7.0	4.3	2.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

JULY

PERIOD: (PRIMARY) 1966-1977
(OVER-ALL) 1912-1977

AREA 0020 EASTER ISLAND
27.2S 109.5W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG	DUST SNOW	NO SIG WEA
N	.0	.0	2.7	.0	.0	.0	.0	2.7	7.1	.0	.0	.0	.0	.0	.0	90.3
NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
E	.0	.0	.0	.0	.0	.0	.0	.0	20.0	.0	.0	.0	.0	.0	.0	80.0
SE	10.8	.0	.0	.0	.0	.0	.0	10.8	13.5	.0	.0	.0	.0	.0	.0	75.7
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.9	.0	.0	.0	.0	.0	94.1
SW	4.0	.0	.0	.0	.0	.0	.0	4.0	.0	6.0	.0	.0	.0	.0	.0	94.0
W	4.3	.0	.0	.0	.0	.0	.0	4.3	4.3	.0	.0	.0	.0	.0	.0	91.3
NW	.0	.0	1.1	.0	.0	.0	.0	1.1	.0	.0	.0	.0	.0	.0	.0	98.9
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	33.3	.0	.0	.0	.0	33.3	.0	.0	.0	.0	.0	.0	.0	66.7
TOT PCT	2.1	.0	1.4	.0	.0	.0	.0	3.6	4.3	1.4	.0	.0	.0	.0	.0	91.4
TOT OBS:	140															

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG	DUST SNOW	NO SIG WEA
00&03	2.8	.0	.0	.0	.0	.0	.0	2.8	.0	2.8	.0	.0	.0	.0	.0	94.4
06&09	2.7	.0	.0	.0	.0	.0	.0	2.7	8.1	.0	.0	.0	.0	.0	.0	89.2
12&15	2.7	.0	2.7	.0	.0	.0	.0	5.4	2.7	2.7	.0	.0	.0	.0	.0	91.9
18&21	.0	.0	3.1	.0	.0	.0	.0	3.1	6.3	.0	.0	.0	.0	.0	.0	90.6
TOT PCT	2.1	.0	1.4	.0	.0	.0	.0	3.5	4.2	1.4	.0	.0	.0	.0	.0	91.5
TOT OBS:	142															

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	WIND SPEED (KNOTS)									HOUR (GMT)						
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	.0	5.4	10.1	4.2	.0	.0		19.8	15.4	20.8	.0	18.9	.0	17.9	.0	23.4	.0
NE	.0	3.1	5.4	.0	.0	.0		8.6	12.5	6.3	.0	12.2	.0	5.7	.0	10.9	.0
E	.0	2.1	4.0	.0	.0	.0		6.1	13.4	2.8	.0	4.7	.0	14.3	.0	3.1	.0
SE	.0	2.8	3.7	.0	.0	.0		6.5	12.6	5.6	.0	8.8	.0	5.7	.0	6.3	.0
S	.0	5.6	.0	.3	.0	.0		5.9	8.7	4.9	50.0	8.1	.0	7.1	.0	2.3	.0
SW	.0	10.7	5.1	2.4	.0	.0		18.2	13.2	23.6	50.0	18.9	.0	16.4	100.0	7.0	.0
W	.0	7.2	8.9	.0	.0	.0		16.1	11.9	16.0	.0	14.9	.0	15.0	.0	20.3	.0
NW	.0	5.8	7.5	2.8	.0	.0		16.1	14.6	17.4	.0	13.5	.0	15.0	.0	20.3	.0
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	2.8							2.8	.0	2.8	.0	.0	.0	2.9	.0	6.3	.0
TOT OBS	4	61	64	14	0	0	143		12.9	36	1	37	0	35	2	32	0
TOT PCT	2.8	42.7	44.8	9.8	.0	.0		100.0		100.0	100.0	100.0	.0	100.0	100.0	100.0	.0

TABLE 3A

	WIND SPEED (KNOTS)								HOUR (GMT)			
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	06 09	12 15	18 21
N	1.0	12.6	4.0	2.1	.0		19.8	15.4	20.3	18.9	16.9	23.4
NE	.0	7.9	.7	.0	.0		8.6	12.5	6.1	12.2	5.4	10.9
E	.0	4.2	1.9	.0	.0		6.1	13.4	2.7	4.7	13.5	3.1
SE	.0	5.6	.9	.0	.0		6.5	12.6	5.4	8.8	5.4	6.3
S	1.7	3.8	.3	.0	.0		5.9	8.7	6.1	8.1	6.8	2.3
SW	1.7	9.8	5.9	.7	.0		18.2	13.2	24.3	18.9	20.9	7.0
W	.0	15.4	.7	.0	.0		16.1	11.9	15.5	14.9	14.2	20.3
NW	1.0	10.0	4.4	.7	.0		16.1	14.6	16.9	13.5	14.2	20.3
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	2.8						2.8	.0	2.7	.0	2.7	6.3
TOT OBS	12	99	27	5	0	143		12.9	37	37	37	32
TOT PCT	8.4	69.2	18.9	3.5	.0		100.0		100.0	100.0	100.0	100.0

JULY

PERIOD: (PRIMARY) 1966-1977
(OVER-ALL) 1912-1977

AREA 0020 EASTER ISLAND
27.2S 109.5W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS) 1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00&03	2.7	.0	43.2	45.9	8.1	.0	.0	12.7	100.0	37
06&09	.0	.0	54.1	35.1	10.8	.0	.0	12.8	100.0	37
12&15	2.7	.0	45.9	40.5	10.8	.0	.0	12.8	100.0	37
18&21	6.3	.0	25.0	59.4	9.4	.0	.0	13.5	100.0	32
TOT	4	0	61	64	14	0	0	12.9		143
PCT	2.8	.0	42.7	44.8	9.8	.0	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	4.6	1.1	9.1	4.6		5.1
NE	.4	3.1	3.1	1.7		5.2
E	.7	2.0	2.2	1.5		5.2
SE	3.0	.2	1.5	2.2		4.7
S	.7	2.2	3.0	.0		4.5
SW	4.1	3.7	6.7	2.2		4.4
W	0.1	4.6	3.3	3.0		3.9
NW	3.3	1.5	8.1	4.1		5.2
VAR	.0	.0	.0	.0		.0
CALM	.0	.0	.7	1.5		7.6
TOT OBS	31	25	51	28	135	4.8
TOT PCT	23.0	18.5	37.8	20.7	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT,NH >4/8) AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

WND DIR	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	TOTAL OBS
N	.7	.0	.0	.0	1.3	5.4	.0	.0	.0	.0	12.0	
NE	.0	.0	.0	.0	1.5	2.4	.7	.0	.0	.0	3.7	
E	.0	.0	.0	.0	1.5	.7	.0	.0	.0	.0	4.3	
SE	.0	.0	.0	.7	.7	1.5	.0	.0	.0	.0	3.9	
S	.0	.0	.0	.7	.0	2.2	.0	.0	.0	.0	3.0	
SW	.0	.0	.0	.0	.7	7.4	.0	.0	.0	.0	8.5	
W	.0	.0	.0	.0	.7	4.8	.0	.0	.0	.0	11.5	
NW	.0	.0	.0	.0	1.7	3.7	.0	.0	.0	.0	11.7	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.0	.0	.7	.0	1.5	.0	.0	.0	.0	.0	
TOT OBS	1	0	0	3	11	40	1	0	0	0	79	135
TOT PCT	.7	.0	.0	2.2	8.1	29.6	.7	.0	.0	.0	58.5	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) = OR >10	= OR >5	= OR >2	= OR >1	= OR >1/2	= OR >1/4	= OR >50YD	= OR >0
= OR >6500	.0	.0	.0	.0	.0	.0	.0	.0
= OR >5000	.0	.0	.0	.0	.0	.0	.0	.0
= OR >3500	.7	.7	.7	.7	.7	.7	.7	.7
= OR >2000	22.6	29.9	29.9	29.9	29.9	29.9	29.9	29.9
= OR >1000	28.5	38.0	38.0	38.0	38.0	38.0	38.0	38.0
= OR >600	29.9	39.4	40.1	40.1	40.1	40.1	40.1	40.1
= OR >300	29.9	39.4	40.1	40.1	40.1	40.1	40.1	40.1
= OR >150	29.9	39.4	40.1	40.1	40.1	40.1	40.1	40.1
= OR > 0	30.7	40.1	40.9	40.9	40.9	40.9	40.9	40.9
TOTAL	42	55	56	56	56	56	56	56

TOTAL NUMBER OF OBS: 137 PCT FREQ NH <5/8: 59.1

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8 OBSCD	TOTAL OBS
5.8	9.5	11.7	19.7	12.4	10.2	10.2	14.6	5.8	.0	137

PERIOD: (PRIMARY) 1966-1977
(OVER-ALL) 1912-1977

AREA 0020 EASTER ISLAND
27.2S 109.5W

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	PCP	.0	.0	.0	.7	.0	.0	.0	.0	.0	.0	.7	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.7	.0	.0	.0	.0	.0	.0	.7	
5<10	PCP	.5	.0	.0	.0	.0	.7	.7	.2	.0	.0	2.1	
	NO PCP	.7	1.4	.5	.9	.4	2.5	1.4	2.9	.0	.0	10.7	
	TOT %	1.3	1.4	.5	.9	.4	3.2	2.1	3.0	.0	.0	12.9	
10+	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	.7	
	NO PCP	18.9	6.6	5.7	5.0	5.7	14.6	14.3	13.4	.0	1.4	85.7	
	TOT %	18.9	6.6	5.7	5.0	5.7	14.6	14.3	13.4	.0	2.1	86.4	
	TOT OBS												140
	TOT PCT	20.2	8.0	6.3	6.6	6.1	17.9	16.4	16.4	.0	2.1	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.7	.0	.0	.0	.0	.0		.7	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.7	.0	.0	.0	.0	.0	.0	.7	
5<10	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.5	.0	.0	.7	.0	.7	.0	.2	.0		2.1	
	11-21	.0	1.4	.5	.2	.0	1.4	2.1	.7	.0		6.4	
	22+	.7	.0	.0	.0	.4	1.1	.0	2.1	.0		4.3	
	TOT %	1.3	1.4	.5	.9	.4	3.2	2.1	3.0	.0	.0	12.9	
10+	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.1	2.1	
	4-10	5.0	2.5	2.1	1.4	5.7	10.2	7.3	5.7	.0		40.0	
	11-21	10.4	4.1	3.6	3.6	.0	3.0	7.0	7.0	.0		38.6	
	22+	3.6	.0	.0	.0	.0	1.4	.0	.7	.0		5.7	
	TOT %	18.9	6.6	5.7	5.0	5.7	14.6	14.3	13.4	.0	2.1	86.4	
	TOT OBS												140
	TOT PCT	20.2	8.0	6.3	6.6	6.1	17.9	16.4	16.4	.0	2.1	100.0	

JULY

PERIOD: (PRIMARY) 1966-1977
(OVER-ALL) 1912-1977

AREA 0020 EASTER ISLAND
27.2S 109.5W

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET,NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00&03	2.9	.0	.0	5.9	2.9	23.5	.0	.0	.0	.0	35.3	64.7	34
06&09	.0	.0	.0	.0	8.3	8.3	2.8	.0	.0	.0	19.4	80.6	36
12&15	.0	.0	.0	2.9	17.1	34.3	.0	.0	.0	.0	54.3	45.7	35
18&21	.0	.0	.0	.0	3.1	53.1	.0	.0	.0	.0	56.3	43.8	32
TOT	1	0	0	3	11	40	1	0	0	0	56	81	137
PCT	.7	.0	.0	2.2	8.0	29.2	.7	.0	.0	.0	40.9	59.1	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00&03	.0	.0	.0	2.8	5.6	91.7	36
06&09	.0	.0	.0	.0	5.4	94.6	37
12&15	.0	.0	.0	.0	18.9	81.1	37
18&21	.0	.0	.0	.0	21.9	78.1	32
TOT	0	0	0	1	18	123	142
PCT	.0	.0	.0	.7	12.7	86.6	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET,NH >4/8),BY HOUR

HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL OBS
00&03	2.9	2.9	8.8	26.5	64.7	34
06&09	.0	.0	.0	19.4	80.6	36
12&15	.0	.0	2.9	51.4	45.7	35
18&21	.0	.0	.0	56.3	43.8	32
TOT	1	1	4	52	81	137
PCT	.7	.7	2.9	38.0	59.1	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
70/74	.0	.0	.0	.0	1.5	12.6	12.6	2.2	39	28.9
65/69	.0	.0	.0	.0	4.4	17.0	28.1	5.2	74	54.8
60/64	.0	.0	.0	.0	3.7	5.9	4.4	1.5	21	15.6
55/59	.0	.0	.0	.0	.0	.0	.7	.0	1	.7
TOTAL	0	0	0	0	13	48	62	12	135	100.0
PCT	.0	.0	.0	.0	9.6	35.6	45.9	8.9		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
10.2	2.6	.0	.0	1.1	1.9	3.1	9.3	.0	.7
10.7	5.7	5.2	3.7	1.3	9.4	10.9	7.0	.0	.7
.0	.0	1.3	2.4	2.8	4.6	3.0	.0	.0	1.5
.0	.0	.0	.0	.7	.0	.0	.0	.0	.0
20.9	8.3	6.5	6.1	5.9	15.9	17.0	16.3	.0	3.0

TABLE 15

MEANS,EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00&03	73	72	72	69	62	59	59	67.8	37
06&09	71	70	70	68	62	62	62	67.3	38
12&15	71	70	70	67	61	61	61	66.6	37
18&21	73	72	72	69	64	63	63	68.6	33
TOT	73	72	71	68	63	61	59	67.6	145

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00&03	.0	.0	11.1	36.1	47.2	5.6	78	36
06&09	.0	.0	8.1	24.3	56.8	10.8	80	37
12&15	.0	.0	6.5	35.5	45.2	12.9	81	31
18&21	.0	.0	15.2	45.5	33.3	6.1	77	33
TOT	0	0	14	48	63	12	79	137

JULY

PERIOD: (PRIMARY) 1966-1977
(OVER-ALL) 1912-1977

AREA 0020 EASTER ISLAND
27.2S 109.5W

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	57 60	61 64	65 68	69 72	73 76	TOT	W FOG	WO FOG
3	.0	.0	.0	.7	.7	2	.0	1.4
2	.0	.0	.0	4.3	.0	6	.0	4.3
1	.0	.0	.0	7.8	.0	11	.0	7.8
0	.0	.0	1.4	9.9	.0	16	.0	11.3
-1	.0	.0	2.1	20.6	.0	32	.0	22.7
-2	.0	.7	17.0	2.1	.7	29	.0	20.6
-3	.0	.7	9.2	.0	.0	14	.0	9.9
-4	.0	1.4	4.3	.0	.0	8	.0	5.7
-5	.0	2.8	2.8	.0	.0	8	.0	5.7
-6	.7	7.8	.0	.0	.0	12	.0	8.5
-7/-8	.0	2.1	.0	.0	.0	3	.0	2.1
TOTAL	1	22	52	64	2	141	0	141
PCT	.7	15.6	36.9	45.4	1.4	100.0		100.0

PERIOD: (OVER-ALL) 1963-1977

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	5.3	.8	.0	.0	.0	6.1
3-4	.0	.6	5.3	.0	.0	.0	5.9
5-6	.0	.0	3.4	.8	.0	.0	4.2
7	.0	.0	.8	1.5	.0	.0	2.3
8-9	.0	.0	.0	.8	.0	.0	.8
10-11	.0	.0	.8	.0	.0	.0	.8
12	.0	.0	.0	1.5	.0	.0	1.5
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	5.9	11.0	4.5	.0	.0	21.4

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.9	.8	.0	.0	.0	1.7
3-4	.0	.9	4.9	.0	.0	.0	5.9
5-6	.0	.0	.2	.0	.0	.0	.2
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	1.9	5.9	.0	.0	.0	7.8

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.8	.8	.0	.0	.0	1.5
3-4	.0	1.5	.8	.0	.0	.0	2.3
5-6	.0	.0	1.3	.0	.0	.0	1.3
7	.0	.0	1.5	.0	.0	.0	1.5
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	2.3	4.4	.0	.0	.0	6.8

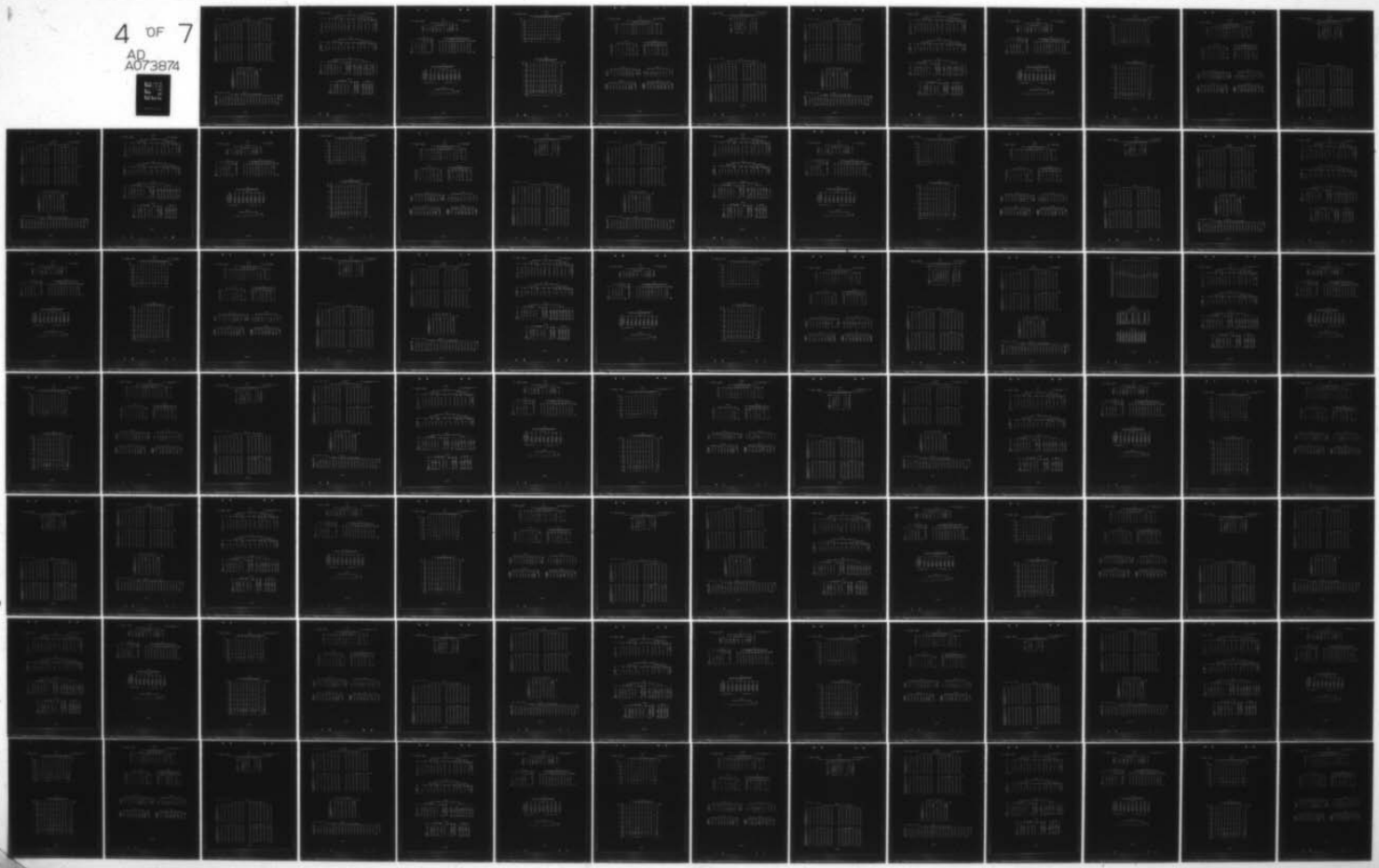
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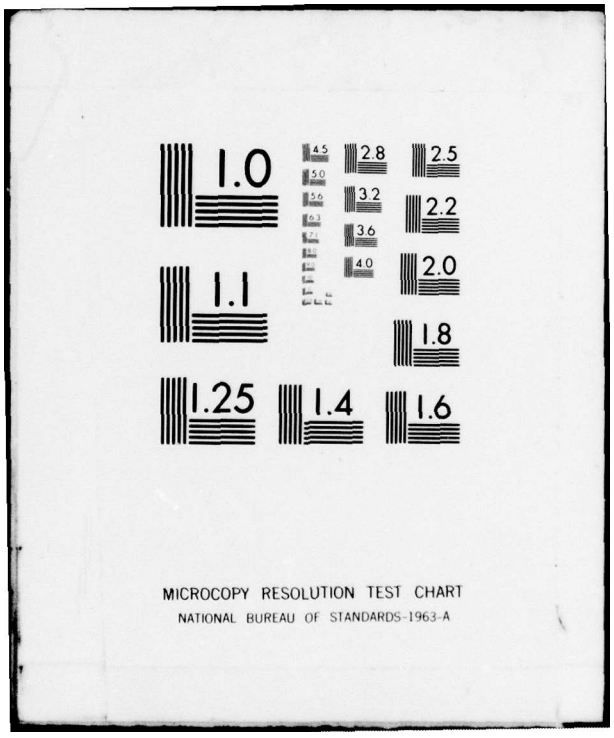
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.8	.0	.0	.0	.0	.8
3-4	.0	.8	3.0	.0	.0	.0	3.8
5-6	.0	.8	.9	.0	.0	.0	1.7
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	1.6	3.9	.0	.0	.0	5.5

AD-A073 874 NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE N C F/G 4/2
SUMMARY OF SYNOPTIC METEOROLOGICAL OBSERVATIONS (SSMO) SELECTED--ETC(U)
SEP 79

UNCLASSIFIED NL

4 OF 7
AD
A073874




1.0
1.1
1.25
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4.5
5.0
5.6
6.3
MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS-1963-A

PERIOD: (OVER-ALL) 1963-1977

JULY

AREA 0020 EASTER ISLAND
27.2S 109.5W

TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

	S							SW						
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	2.5	.0	.0	.0	.0	2.5	.0	4.4	.0	.0	.0	.0	4.4
3-4	.0	3.6	.0	.0	.0	.0	3.6	.0	6.4	.9	.0	.0	.0	7.4
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.3	.8	.0	.0	3.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.5	.0	.0	1.5
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	6.1	.0	.0	.0	.0	6.1	.0	10.8	3.2	2.3	.0	.0	16.3

	W							NW							TOTAL
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	PCT
<1	.0	.8	.0	.0	.0	.0	.8	.0	.8	.0	.0	.0	.0	.8	
1-2	.0	5.3	.0	.0	.0	.0	5.3	.0	5.1	.8	.0	.0	.0	5.9	
3-4	.0	1.7	4.7	.0	.0	.0	6.4	.0	.4	3.8	.0	.0	.0	4.2	
5-6	.0	.0	4.2	.0	.0	.0	4.2	.0	.0	3.6	.0	.0	.0	3.6	
7	.0	.0	.8	.0	.0	.0	.8	.0	.0	.0	2.3	.0	.0	2.3	
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	.0	.0	.8	
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.0	7.8	9.7	.0	.0	.0	17.4	.0	6.3	8.1	3.0	.0	.0	17.4	99.2

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	.8	1.5	.0	.0	.0	.0	2.3	
1-2	.0	25.6	3.0	.0	.0	.0	28.6	
3-4	.0	15.8	23.3	.0	.0	.0	39.1	
5-6	.0	.8	13.5	.8	.0	.0	15.0	
7	.0	.0	5.3	4.5	.0	.0	9.8	
8-9	.0	.0	.0	3.0	.0	.0	3.0	
10-11	.0	.0	.8	.0	.0	.0	.8	
12	.0	.0	.0	1.5	.0	.0	1.5	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.8	43.6	45.9	9.8	.0	.0	100.0	133

PERIOD: (OVER-ALL) 1966-1977

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	.0	.0	5.2	10.3	5.2	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	37	5
6-7	.0	.0	5.2	12.6	13.3	14.1	2.2	1.5	1.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	68	7
8-9	.0	.0	2.2	4.4	4.4	1.5	5.2	.7	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	26	7
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.7	.0	.0	1.5	.0	.0	.0	.0	.0	.0	.0	3	20
12-13	.0	.0	.0	.0	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	7
>13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
INDET	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
TOTAL	0	0	17	45	32	22	10	3	4	0	0	2	0	0	0	0	0	0	0	135	7
PCT	.0	.0	12.6	33.3	23.7	16.3	7.4	2.2	3.0	.0	.0	1.5	.0	.0	.0	.0	.0	.0	.0	100.0	

AUGUST

PERIOD: (PRIMARY) 1966-1977
(OVER-ALL) 1907-1977

TABLE 1

AREA 0020 EASTER ISLAND
27.1S 109.4W

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
N	9.0	3.0	.0	.0	.0	.0	.0	12.0	14.0	.0	.0	.0	.0	.0	.0	74.0
NE	7.5	.7	.0	.0	.0	.0	.0	8.2	12.3	.0	.0	.0	.0	.0	.0	79.5
E	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
SE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
S	6.6	.0	3.3	.0	.0	.0	.0	9.9	3.3	.0	.0	.0	.0	.0	.0	86.8
SW	28.6	.0	.0	.0	.0	.0	.0	28.6	.0	.0	.0	.0	.0	.0	.0	71.4
W	63.6	.0	.0	.0	.0	.0	.0	63.6	.0	.0	.0	.0	.0	.0	.0	36.4
NW	2.9	.0	.0	.0	.0	.0	.0	2.9	.0	.0	.0	.0	.0	.0	.0	97.1
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
TOT PCT	7.8	.7	.7	.0	.0	.0	.0	9.2	6.4	.0	.0	.0	.0	.0	.0	84.4
TOT OBS:	141															

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
00603	5.4	.0	2.7	.0	.0	.0	.0	8.1	8.1	.0	.0	.0	.0	.0	.0	83.8
06609	9.1	.0	.0	.0	.0	.0	.0	9.1	9.1	.0	.0	.0	.0	.0	.0	81.8
12615	5.7	2.9	.0	.0	.0	.0	.0	8.6	2.9	.0	.0	.0	.0	.0	.0	88.6
18621	10.5	2.6	.0	.0	.0	.0	.0	13.2	5.3	.0	.0	.0	.0	.0	.0	81.6
TOT PCT	7.7	1.4	.7	.0	.0	.0	.0	9.8	6.3	.0	.0	.0	.0	.0	.0	83.9
TOT OBS:	143															

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	WIND SPEED (KNOTS)									HOUR (GMT)							
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	1.2	6.2	11.2	.0	.0	.0		18.6	12.5	24.3	.0	15.2	.0	11.8	50.0	21.6	.0
NE	.2	6.4	18.6	.0	.0	.0		25.2	13.2	26.4	.0	23.5	.0	28.7	.0	25.0	.0
E	.0	4.0	5.0	.0	.0	.0		9.0	10.6	4.7	.0	14.4	.0	11.8	.0	6.8	.0
SE	.0	8.3	2.4	.3	.0	.0		11.0	10.5	14.9	50.0	9.1	.0	5.1	.0	12.8	.0
S	.0	9.7	7.8	2.8	.7	.0		20.9	14.2	17.6	50.0	23.5	.0	25.7	.0	16.9	.0
SW	.0	2.2	2.9	.3	.0	.0		5.5	13.1	5.4	.0	7.6	.0	4.4	50.0	2.7	.0
W	.0	.0	1.2	.7	.0	.0		1.9	17.6	.0	.0	.0	.0	2.9	.0	4.7	.0
NW	.0	1.2	3.3	1.4	.0	.0		5.9	16.3	6.8	.0	6.8	.0	3.7	.0	6.8	.0
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	2.1							2.1	.0	.0	.0	.0	.0	5.9	.0	2.7	.0
TOT OBS	5	55	76	8	1	0	145		12.7	37	2	33	0	34	2	37	0
TOT PCT	3.4	37.9	52.4	5.5	.7	.0		100.0		100.0	100.0	100.0	.0	100.0	100.0	100.0	.0

TABLE 3A

	WIND SPEED (KNOTS)								HOUR (GMT)			
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	06 09	12 15	18 21
N	3.8	9.0	5.9	.0	.0		18.6	12.5	23.1	15.2	13.9	21.6
NE	.2	20.5	4.5	.0	.0		25.2	13.2	25.0	23.5	27.1	25.0
E	2.6	5.9	.5	.0	.0		9.0	10.6	4.5	14.4	11.1	6.8
SE	.9	9.7	.5	.0	.0		11.0	10.5	16.7	9.1	4.9	12.8
S	1.4	12.9	5.9	.7	.0		20.9	14.2	19.2	23.5	24.3	16.9
SW	.7	4.3	.5	.0	.0		5.5	13.1	5.1	7.6	6.9	2.7
W	.0	.7	1.2	.0	.0		1.9	17.6	.0	.0	2.8	4.7
NW	.2	3.3	1.7	.7	.0		5.9	16.3	6.4	6.8	3.5	6.8
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	2.1						2.1	.0	.0	.0	5.6	2.7
TOT OBS	17	96	30	2	0	145		12.7	39	33	36	37
TOT PCT	11.7	66.2	20.7	1.4	.0		100.0		100.0	100.0	100.0	100.0

AUGUST

PERIOD: (PRIMARY) 1966-1977
(OVER-ALL) 1907-1977

AREA 0020 EASTER ISLAND
27.1S 109.4W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS) 1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00&03	.0	2.6	35.9	53.8	5.1	2.6	.0	13.2	100.0	39
06&09	.0	.0	57.6	36.4	6.1	.0	.0	12.5	100.0	33
12&15	5.6	.0	33.3	52.8	8.3	.0	.0	12.4	100.0	36
18&21	2.7	2.7	27.0	64.9	2.7	.0	.0	12.8	100.0	37
TOT	3	2	55	76	8	1	0	12.7		145
PCT	2.1	1.4	37.9	52.4	5.5	.7	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	1.3	4.1	7.0	5.6		5.9
NE	.4	3.6	14.7	7.6		6.2
E	1.8	2.2	1.4	4.0		5.5
SE	.9	2.2	4.3	3.4		5.9
S	2.9	4.3	9.4	4.3		5.2
SW	.0	.7	2.2	2.2		6.2
W	.0	.7	.0	1.3		6.5
NW	.0	2.3	3.4	.4		5.2
VAR	.0	.0	.0	.0		.0
CALM	.7	.0	.7	.0		3.5
TOT OBS	11	28	60	40	139	5.7
TOT PCT	7.9	20.1	43.2	28.8	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT,NH >4/8) AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

WND DIR	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	TOTAL OBS
N	.0	.0	.0	.0	8.1	1.6	.0	.0	.0	.0	8.3	
NE	.0	.0	.0	.0	7.9	6.8	.0	.0	.0	.7	10.8	
E	.0	.0	.0	.0	3.2	1.4	.0	.0	.0	.0	4.7	
SE	.0	.0	.0	.0	2.7	4.7	.0	.0	.0	.2	3.2	
S	.0	.0	.0	.0	6.8	2.5	.0	.0	.0	.5	11.2	
SW	.0	.0	.0	.0	2.7	1.4	.0	.0	.0	.0	.9	
W	.0	.0	.0	.0	1.3	.0	.0	.0	.0	.0	.7	
NW	.0	.0	.0	.0	.4	2.3	.0	.0	.0	.0	3.4	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.4	
TOT OBS	0	0	0	0	46	29	0	0	0	2	62	139
TOT PCT	.0	.0	.0	.0	33.1	20.9	.0	.0	.0	1.4	44.6	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) = OR >10	= OR >5	= OR >2	= OR >1	= OR >1/2	= OR >1/4	= OR >50YD	= OR >0
= OR >6500	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
= OR >5000	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
= OR >3500	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
= OR >2000	21.0	22.5	22.5	22.5	22.5	22.5	22.5	22.5
= OR >1000	42.0	55.1	55.8	55.8	55.8	55.8	55.8	55.8
= OR >600	42.0	55.1	55.8	55.8	55.8	55.8	55.8	55.8
= OR >300	42.0	55.1	55.8	55.8	55.8	55.8	55.8	55.8
= OR >150	42.0	55.1	55.8	55.8	55.8	55.8	55.8	55.8
= OR > 0	42.0	55.1	55.8	55.8	55.8	55.8	55.8	55.8
TOTAL	58	76	77	77	77	77	77	77

TOTAL NUMBER OF OBS: 138 PCT FREQ NH <5/8: 44.2

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8 OBSCD	TOTAL OBS
.7	1.4	12.1	13.6	16.4	17.1	5.0	20.0	13.6	.0	140

PERIOD: (PRIMARY) 1966-1977
(OVER-ALL) 1907-1977

AREA 0020 EASTER ISLAND
27.1S 109.4W

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	PCP	.0	.0	.0	.0	1.4	.0	.0	.0	.0	.0	1.4	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	1.4	.0	.0	.0	.0	.0	1.4	
5<10	PCP	2.2	2.2	.0	.0	.7	1.4	1.3	.2	.0	.0	7.9	
	NO PCP	1.8	.4	.7	.0	2.5	.4	.0	.7	.0	.0	6.5	
	TOT %	4.0	2.5	.7	.0	3.2	1.8	1.3	.9	.0	.0	14.4	
10+	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	14.0	23.7	8.6	10.4	16.0	3.2	.7	5.2	.0	2.2	84.2	
	TOT %	14.0	23.7	8.6	10.4	16.0	3.2	.7	5.2	.0	2.2	84.2	
	TOT OBS												139
	TOT PCT	18.0	26.3	9.4	10.4	20.7	5.0	2.0	6.1	.0	2.2	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	1.4	.0	.0	.0	.0		1.4	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	1.4	.0	.0	.0	.0	.0	1.4	
5<10	0-3	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	
	4-10	2.2	2.2	.0	.0	.0	.7	.0	.0	.0		5.0	
	11-21	1.1	.4	.7	.0	1.4	.7	.5	.9	.0		5.8	
	22+	.0	.0	.0	.0	1.8	.4	.7	.0	.0		2.9	
	TOT %	4.0	2.5	.7	.0	3.2	1.8	1.3	.9	.0	.0	14.4	
10+	0-3	.5	.2	.0	.0	.0	.0	.0	.0	.0	2.2	2.9	
	4-10	3.6	4.5	4.1	8.5	9.5	1.6	.0	1.3	.0		33.1	
	11-21	9.9	19.1	4.5	1.6	4.7	1.6	.7	2.5	.0		44.6	
	22+	.0	.0	.0	.4	1.8	.0	.0	1.4	.0		3.6	
	TOT %	14.0	23.7	8.6	10.4	16.0	3.2	.7	5.2	.0	2.2	84.2	
	TOT OBS												139
	TOT PCT	18.0	26.3	9.4	10.4	20.7	5.0	2.0	6.1	.0	2.2	100.0	

AUGUST

PERIOD: (PRIMARY) 1966-1977
(OVER-ALL) 1907-1977

AREA 0020 EASTER ISLAND
27.1S 109.4W

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET,NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00&03	.0	.0	.0	.0	38.9	25.0	.0	.0	.0	.0	63.9	36.1	36
06&09	.0	.0	.0	.0	27.3	9.1	.0	.0	.0	3.0	39.4	60.6	33
12&15	.0	.0	.0	.0	27.3	30.3	.0	.0	.0	3.0	60.6	39.4	33
18&21	.0	.0	.0	.0	36.8	21.1	.0	.0	.0	.0	57.9	42.1	38
TOT	0	0	0	0	46	30	0	0	0	2	78	62	140
PCT	.0	.0	.0	.0	32.9	21.4	.0	.0	.0	1.4	55.7	44.3	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00&03	.0	.0	.0	.0	19.4	80.6	36
06&09	.0	.0	.0	.0	18.8	81.3	32
12&15	.0	.0	.0	.0	11.4	88.6	35
18&21	.0	.0	.0	5.3	13.2	81.6	38
TOT	0	0	0	2	22	117	141
PCT	.0	.0	.0	1.4	15.6	83.0	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET,NH >4/8),BY HOUR

HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL OBS
00&03	.0	.0	.0	62.9	37.1	35
06&09	.0	.0	.0	40.6	59.4	32
12&15	.0	.0	.0	60.6	39.4	33
18&21	.0	.0	5.3	55.3	39.5	38
TOT	0	0	2	76	60	138
PCT	.0	.0	1.4	55.1	43.5	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
70/74	.0	.0	.0	.0	.7	2.9	4.3	2.1	14	10.0
65/69	.0	.0	.7	2.9	2.9	14.3	28.6	15.4	92	65.7
60/64	.0	.0	.7	.7	10.7	7.1	5.6	1.4	34	24.3
TOTAL	0	0	2	5	20	34	51	28	140	100.0
PCT	.0	.0	1.4	3.6	14.3	24.3	36.4	20.0		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

	N	NE	E	SE	S	SW	W	NW	VAR	CALM
	3.6	3.4	.7	.0	.0	.0	1.3	.4	.0	.7
	13.8	22.5	3.9	5.4	8.8	3.8	.7	5.5	.0	1.4
	.5	.2	4.6	5.4	12.1	1.3	.0	.2	.0	.0
	17.9	26.1	9.3	10.7	20.9	5.0	2.0	6.1	.0	2.1

TABLE 15

MEANS,EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00&03	71	70	70	67	62	62	62	66.6	39
06&09	69	68	68	66	62	61	61	65.6	33
12&15	70	69	69	66	61	60	60	65.5	37
18&21	74	73	72	68	62	62	62	67.6	38
TOT	74	72	70	66	62	61	60	66.4	147

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00&03	.0	8.3	11.1	22.2	50.0	8.3	77	36
06&09	.0	.0	21.2	21.2	36.4	21.2	79	33
12&15	.0	.0	17.6	14.7	32.4	35.3	82	34
18&21	.0	10.8	8.1	37.8	27.0	16.2	78	37
TOT	0	7	20	34	51	28	79	140

AUGUST

PERIOD: (PRIMARY) 1966-1977
(OVER-ALL) 1907-1977

AREA 0020 EASTER ISLAND
27.15 109.4W

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	57 60	61 64	65 68	69 72	73 76	TOT	W FOG	WO FOG
6	.0	.0	.0	.7	.0	1	.0	.7
4	.0	.0	.0	.7	.0	1	.0	.7
2	.0	.0	.0	1.4	.7	3	.0	2.1
1	.0	.0	1.4	3.5	.0	7	.0	5.0
0	.0	.0	1.4	8.5	.0	14	.0	9.9
-1	.0	.0	12.1	7.1	.0	27	.0	19.1
-2	.0	.0	11.3	.0	.0	16	.0	11.3
-3	.0	.0	14.2	.0	.0	20	.0	14.2
-4	.0	.7	10.6	.0	.0	16	.0	11.3
-5	.0	7.8	2.1	.0	.0	14	.0	9.9
-6	.0	7.8	.0	.0	.0	11	.0	7.8
-7/-8	.0	7.1	.0	.0	.0	10	.0	7.1
-9/-10	.7	.0	.0	.0	.0	1	.0	.7
TOTAL	1	33	75	31	1	141	0	141
PCT	.7	23.4	53.2	22.0	.7	100.0		100.0

PERIOD: (OVER-ALL) 1963-1977

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.6	1.3	1.2	.0	.0	.0	3.1
3-4	.0	3.7	2.7	.0	.0	.0	6.3
5-6	.0	.0	3.5	.0	.0	.0	3.5
7	.0	.0	3.1	.0	.0	.0	3.1
8-9	.0	.0	1.3	.0	.0	.0	1.3
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.6	5.0	11.7	.0	.0	.0	17.3

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.2	.0	.4	.0	.0	.0	.6
3-4	.0	6.2	9.0	.0	.0	.0	15.2
5-6	.0	.8	8.3	.0	.0	.0	9.0
7	.0	.0	3.1	.0	.0	.0	3.1
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.2	6.9	20.8	.0	.0	.0	27.9

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	3.8	.0	.0	.0	.0	3.8
3-4	.0	.0	4.4	.0	.0	.0	4.4
5-6	.0	.0	.6	.0	.0	.0	.6
7	.0	.0	.6	.0	.0	.0	.6
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	3.8	5.6	.0	.0	.0	9.4

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	7.5	.0	.0	.0	.0	7.5
3-4	.0	.8	1.0	.0	.0	.0	1.7
5-6	.0	.0	1.0	.4	.0	.0	1.3
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	8.3	1.9	.4	.0	.0	10.6

PERIOD: (OVER-ALL) 1963-1977

AUGUST

AREA 0020 EASTER ISLAND
27.1S 109.4W

TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

S

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.8	.0	.0	.0	.0	.8
1-2	.0	4.6	.8	.0	.0	.0	5.4
3-4	.0	4.6	2.9	.0	.0	.0	7.5
5-6	.0	.0	5.0	1.2	.0	.0	6.2
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	1.9	.0	.0	1.9
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	10.0	8.7	3.1	.0	.0	21.7

SW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.2	2.3	1.5	.0	.0	3.8
5-6	.0	.0	1.0	.0	.0	.0	1.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.4	.0	.0	.4
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	2.5	2.5	.4	.0	.0	5.4

W

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.8	.0	.0	.0	.8
7	.0	.0	.6	.0	.0	.0	.6
8-9	.0	.0	.0	.8	.0	.0	.8
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	1.3	.8	.0	.0	2.1

NW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	.0	.0	.0	.0	.0	.0	.0	
1-2	.0	.2	.0	.0	.0	.0	.2	
3-4	.0	.2	1.5	.0	.0	.0	1.7	
5-6	.0	.0	.8	.0	.0	.0	.8	
7	.0	.0	.4	1.5	.0	.0	1.9	
8-9	.0	.0	1.0	.0	.0	.0	1.0	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.0	.4	3.7	1.5	.0	.0	5.6	100.0

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	.0	.8	.0	.0	.0	.0	.8	
1-2	.8	17.7	2.3	.0	.0	.0	20.8	
3-4	.0	17.7	23.1	.0	.0	.0	40.8	
5-6	.0	.8	20.8	1.5	.0	.0	23.1	
7	.0	.0	7.7	1.5	.0	.0	9.2	
8-9	.0	.0	2.3	3.1	.0	.0	5.4	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
								130
TOT PCT	.8	36.9	56.2	6.2	.0	.0	100.0	

PERIOD: (OVER-ALL) 1966-1977

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	.0	.0	18.7	20.9	5.8	.7	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	85	5
6-7	.0	.7	5.8	7.4	11.5	2.2	.7	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	40	6
8-9	.0	.0	1.4	1.4	2.2	6.5	1.4	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	19	7
10-11	.0	.0	.0	.7	1.4	.7	2.9	2.2	1.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	13	10
12-13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
>13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
INDET	.0	.0	.0	.7	.0	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2	7
TOTAL	0	1	36	43	29	15	8	5	2	0	0	0	0	0	0	0	0	0	0	139	6
PCT	.0	.7	25.9	30.9	20.9	10.8	5.8	3.6	1.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

SEPTEMBER

PERIOD: (PRIMARY) 1966-1977/
(OVER-ALL) 1868-1977/

AREA 0020 EASTER ISLAND
27.2S 109.5W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

	PRECIPITATION TYPE									OTHER WEATHER PHENOMENA					
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG	DUST SNOW BLWG	NO SIG WEA
N	.0	.0	.0	.0	.0	.0	.0	.0	8.3	.0	.0	.0	.0		.0	91.7
NE	.0	.0	9.3	.0	.0	.0	.0	9.3	.0	.0	.0	.0	.0		.0	90.7
E	3.2	.0	2.8	.0	.0	.0	.0	6.0	3.2	.0	.0	.0	.0		.0	90.9
SE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	100.0
S	8.0	.0	.0	.0	.0	.0	.0	8.0	.0	.0	.0	.0	.0		.0	92.0
SW	2.9	.0	.0	.0	.0	.0	.0	2.9	11.4	.0	.0	.0	.0		.0	85.7
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	100.0
NW	.0	.0	.0	.0	.0	.0	.0	.0	11.1	.0	.0	.0	.0		.0	88.9
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0
TOT PCT	2.6	.0	2.0	.0	.0	.0	.0	4.6	2.6	.0	.0	.0	.0		.0	92.7
TOT OBS:	151															

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

	PRECIPITATION TYPE									OTHER WEATHER PHENOMENA					
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG	DUST SNOW BLWG	NO SIG WEA
00&03	5.3	.0	.0	.0	.0	.0	.0	5.3	.0	.0	.0	.0	.0		.0	94.7
06&09	2.4	.0	4.9	.0	.0	.0	.0	7.3	2.4	.0	.0	.0	.0		.0	90.2
12&15	.0	.0	2.9	.0	.0	.0	.0	2.9	8.6	.0	.0	.0	.0		.0	88.6
18&21	2.6	.0	.0	.0	.0	.0	.0	2.6	.0	.0	.0	.0	.0		.0	97.4
TOT PCT	2.6	.0	2.0	.0	.0	.0	.0	4.6	2.6	.0	.0	.0	.0		.0	92.8
TOT OBS:	152															

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	WIND SPEED (KNOTS)									HOUR (GMT)							
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	.0	1.0	3.7	1.1	.0	.0		5.7	16.7	4.1	.0	7.4	.0	6.9	.0	4.5	.0
NE	.0	4.1	4.6	.5	.0	.0		9.2	11.2	8.1	.0	15.3	.0	6.3	.0	6.4	.0
E	.0	18.0	23.1	2.1	.0	.0		43.2	12.4	47.3	.0	40.9	.0	37.5	.0	48.1	.0
SE	.0	9.6	7.8	1.3	.0	.0		18.6	12.0	13.5	.0	17.6	.0	26.4	100.0	15.4	.0
S	.0	6.1	7.8	.0	.0	.0		13.9	12.4	19.6	.0	11.9	.0	12.5	.0	12.2	.0
SW	.0	1.8	3.8	.0	.0	.0		5.6	11.6	4.1	.0	1.7	.0	9.0	.0	8.3	.0
W	.0	.0	2.4	.0	.0	.0		2.4	14.1	2.7	.0	1.7	.0	.0	.0	5.1	.0
NW	.0	1.0	.3	.2	.0	.0		1.4	10.7	.7	.0	3.4	.0	1.4	.0	.0	.0
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0							.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT OBS	0	65	84	8	0	0	157		12.5	37	0	44	0	36	1	39	0
TOT PCT	.0	41.4	53.5	5.1	.0	.0		100.0		100.0	.0	100.0	.0	100.0	100.0	100.0	.0

TABLE 3A

	WIND SPEED (KNOTS)								HOUR (GMT)			
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	06 09	12 15	18 21
N	.0	2.5	3.2	.0	.0		5.7	16.7	4.1	7.4	6.8	4.5
NE	1.1	7.3	.8	.0	.0		9.2	11.2	8.1	15.3	6.1	6.4
E	4.3	28.3	10.5	.0	.0		43.2	12.4	47.3	40.9	36.5	48.1
SE	1.0	14.8	2.9	.0	.0		18.6	12.0	13.5	17.6	28.4	15.4
S	.5	11.5	1.9	.0	.0		13.9	12.4	19.6	11.9	12.2	12.2
SW	1.4	2.9	1.3	.0	.0		5.6	11.6	4.1	1.7	8.8	8.3
W	.0	2.4	.0	.0	.0		2.4	14.1	2.7	1.7	.0	5.1
NW	.6	.3	.5	.0	.0		1.4	10.7	.7	3.4	1.4	.0
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	.0						.0	.0	.0	.0	.0	.0
TOT OBS	14	110	33	0	0	157		12.5	37	44	37	39
TOT PCT	8.9	70.1	21.0	.0	.0		100.0		100.0	100.0	100.0	100.0

SEPTEMBER

PERIOD: (PRIMARY) 1966-1977
(OVER-ALL) 1868-1977

AREA 0020 EASTER ISLAND
27.2S 109.5W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS) 1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00&03	.0	.0	27.0	67.6	5.4	.0	.0	13.5	100.0	37
06&09	.0	.0	56.8	36.4	6.8	.0	.0	11.5	100.0	44
12&15	.0	.0	54.1	45.9	.0	.0	.0	11.3	100.0	37
18&21	.0	.0	25.6	66.7	7.7	.0	.0	13.6	100.0	39
TOT	0	0	65	84	8	0	0	12.5		157
PCT	.0	.0	41.4	53.5	5.1	.0	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	1.2	2.1	1.2	1.2		4.3
NE	3.3	.3	4.1	1.0		4.5
E	7.2	12.0	14.4	9.1		5.0
SE	2.9	4.5	9.1	1.5		5.0
S	1.7	1.7	8.2	3.3		5.6
SW	.7	1.7	2.7	.9		4.8
W	.0	2.6	.0	.0		3.4
NW	.9	.5	.0	.2		2.8
VAR	.0	.0	.0	.0		.0
CALM	.0	.0	.0	.0		.0
TOT OBS	26	37	58	25	146	4.9
TOT PCT	17.8	25.3	39.7	17.1	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT,NH >4/8) AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

WND DIR	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	TOTAL OBS
N	.0	.0	.0	.7	.0	.3	.0	.0	.0	.0	4.5	
NE	.0	.0	.0	.0	.0	2.6	.7	.0	.0	.0	5.5	
E	.0	.0	.7	.7	5.3	10.6	.0	.7	.0	.0	24.7	
SE	.0	.0	.0	.0	1.5	5.3	.7	.0	.7	.0	9.8	
S	.0	.0	.0	.5	.0	5.3	.0	.0	.0	.0	9.1	
SW	.0	.0	.0	.2	.7	.9	.0	.0	.0	.0	4.3	
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.6	
NW	.0	.0	.0	.0	.0	.2	.0	.0	.0	.0	1.4	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT OBS	0	0	1	1	4	11	2	1	1	0	90	146
TOT PCT	.0	.0	.7	2.1	7.5	25.3	1.4	.7	.7	.0	61.6	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) • OR >10	• OR >5	• OR >2	• OR >1	• OR >1/2	• OR >1/4	• OR >50YD	• OR >0
• OR >6500	.7	.7	.7	.7	.7	.7	.7	.7
• OR >5000	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
• OR >3500	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
• OR >2000	26.5	27.9	27.9	27.9	27.9	27.9	27.9	27.9
• OR >1000	33.3	35.4	35.4	35.4	35.4	35.4	35.4	35.4
• OR >600	34.7	37.4	37.4	37.4	37.4	37.4	37.4	37.4
• OR >300	35.4	38.1	38.1	38.1	38.1	38.1	38.1	38.1
• OR >150	35.4	38.1	38.1	38.1	38.1	38.1	38.1	38.1
• OR > 0	35.4	38.1	38.1	38.1	38.1	38.1	38.1	38.1
TOTAL	52	56	56	56	56	56	56	56

TOTAL NUMBER OF OBS: 147 PCT FREQ NH <5/8: 61.9

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8 OBSCD	TOTAL OBS
2.0	4.7	17.6	23.6	14.2	11.5	7.4	10.8	8.1 .0	148

SEPTEMBER

PERIOD: (PRIMARY) 1966-1977
(OVER-ALL) 1868-1977

AREA 0020 EASTER ISLAND
27.2S 109.5W

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
5<10	PCP	.0	.0	.7	.0	.7	.0	.0	.0	.0	.0	1.3	
	NO PCP	.0	.2	2.5	.7	.7	.7	.0	.0	.0	.0	4.6	
	TOT %	.0	.2	3.1	.7	1.3	.7	.0	.0	.0	.0	6.0	
10+	PCP	.0	.8	1.8	.0	.5	.2	.0	.0	.0	.0	3.3	
	NO PCP	6.0	7.9	36.8	18.5	12.6	5.0	2.5	1.5	.0	.0	90.7	
	TOT %	6.0	8.8	38.6	18.5	13.1	5.1	2.5	1.5	.0	.0	94.0	
	TOT OBS												151
	TOT PCT	6.0	8.9	41.7	19.2	14.4	5.8	2.5	1.5	.0	.0	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
5<10	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.7	.0	.0	.0	.0		.7	
	11-21	.0	.0	2.6	.7	.7	.7	.0	.0	.0		4.6	
	22+	.0	.2	.5	.0	.0	.0	.0	.0	.0		.7	
	TOT %	.0	.2	3.1	.7	1.3	.7	.0	.0	.0	.0	5.9	
10+	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	1.0	4.3	17.3	9.9	5.6	1.8	.0	1.0	.0		40.8	
	11-21	3.8	4.1	19.9	7.4	7.4	3.3	2.5	.3	.0		48.7	
	22+	1.2	.3	1.6	1.3	.0	.0	.0	.2	.0		4.6	
	TOT %	5.9	8.7	38.8	18.6	13.0	5.1	2.5	1.5	.0	.0	94.1	
	TOT OBS												152
	TOT PCT	5.9	8.9	41.9	19.2	14.3	5.8	2.5	1.5	.0	.0	100.0	

SEPTEMBER

PERIOD: (PRIMARY) 1966-1977
(OVER-ALL) 1868-1977

AREA 0020 EASTER ISLAND
27.2S 109.5W

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00&03	.0	.0	2.6	2.6	7.9	26.3	.0	.0	.0	.0	39.5	60.5	38
06&09	.0	.0	.0	2.7	8.1	16.2	2.7	.0	2.7	.0	32.4	67.6	37
12&15	.0	.0	.0	.0	8.6	22.9	2.9	.0	.0	.0	34.3	65.7	35
18&21	.0	.0	.0	2.6	5.3	34.2	.0	2.6	.0	.0	44.7	55.3	38
TOT	0	0	1	3	11	37	2	1	1	0	56	92	148
PCT	.0	.0	.7	2.0	7.4	25.0	1.4	.7	.7	.0	37.8	62.2	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00&03	.0	.0	.0	.0	2.6	97.4	38
06&09	.0	.0	.0	.0	7.3	92.7	41
12&15	.0	.0	.0	.0	5.6	94.4	36
18&21	.0	.0	.0	.0	7.9	92.1	38
TOT	0	0	0	0	9	144	153
PCT	.0	.0	.0	.0	5.9	94.1	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET, NH >4/8), BY HOUR

HOUR (GMT)	<150 <500YD	<600 <1	<1000 <3	1000+ AND5+	NH <5/8 AND 5+	TOTAL OBS
00&03	.0	2.7	5.4	35.1	59.5	37
06&09	.0	.0	2.7	29.7	67.6	37
12&15	.0	.0	.0	34.3	65.7	35
18&21	.0	.0	2.6	42.1	55.3	38
TOT	0	1	4	52	91	147
PCT	.0	.7	2.7	35.4	61.9	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
70/74	.0	.0	.0	.0	3.3	3.3	.7	.0	11	7.2
65/69	.0	.0	1.3	3.3	9.9	25.7	16.4	5.9	95	62.5
60/64	.0	.0	.0	2.6	13.8	5.3	6.6	2.0	46	30.3
TOTAL	0	0	2	9	41	52	36	12	152	100.0
PCT	.0	.0	1.3	5.9	27.0	34.2	23.7	7.9		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

	N	NE	E	SE	S	SW	W	NW	VAR	CALM
	.5	1.6	4.9	.2	.0	.0	.0	.0	.0	.0
	5.4	6.9	29.3	8.4	5.9	3.8	2.0	.8	.0	.0
	.0	1.0	9.0	9.4	7.7	2.0	.5	.7	.0	.0
	5.9	9.5	43.3	17.9	13.7	5.8	2.5	1.5	.0	.0

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00&03	71	70	70	66	63	63	63	66.3	38
06&09	70	69	68	65	62	61	61	65.3	44
12&15	69	68	68	64	62	61	61	64.5	37
18&21	74	73	73	67	63	63	63	67.5	39
TOT	74	73	70	66	62	61	61	65.9	158

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00&03	.0	10.5	23.7	44.7	18.4	2.6	72	38
06&09	.0	2.5	22.5	30.0	32.5	12.5	77	40
12&15	.0	8.3	19.4	22.2	38.9	11.1	77	36
18&21	.0	10.3	41.0	38.5	5.1	5.1	69	39
TOT	0	12	41	52	36	12	74	153

PERIOD: (PRIMARY) 1966-1977
(OVER-ALL) 1868-1977

AREA 0020 EASTER ISLAND
27.2S 109.5W

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	61 64	65 68	69 72	73 76	TOT	W FOG	WO FOG
5	.0	.0	.0	1.3	2	.0	1.3
4	.0	.0	.0	.7	1	.0	.7
3	.0	.0	.0	.7	1	.0	.7
2	.0	.0	1.3	.0	2	.0	1.3
1	.0	1.3	3.4	.0	7	.0	4.7
0	.0	4.0	6.0	.0	15	.0	10.1
-1	.0	8.7	.0	.0	13	.0	8.7
-2	.7	12.8	.0	.0	20	.0	13.4
-3	.0	16.1	.0	.0	24	.0	16.1
-4	2.0	11.4	.0	.0	20	.0	13.4
-5	16.8	.7	.0	.0	26	.0	17.4
-6	9.4	.0	.0	.0	14	.0	9.4
-7/-8	2.7	.0	.0	.0	4	.0	2.7
TOTAL	47		16			0	149
		82		4	149		
PCT	31.5	55.0	10.7	2.7	100.0		100.0

PERIOD: (OVER-ALL) 1963-1977

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.5	.5	.0	.0	.0	1.1
3-4	.0	.0	1.1	.0	.0	.0	1.1
5-6	.0	.0	1.4	.7	.0	.0	2.1
7	.0	.0	1.1	.5	.0	.0	1.6
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.5	4.1	1.2	.0	.0	5.9

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.5	.0	.0	.0	.0	.5
1-2	.0	2.7	3.2	.0	.0	.0	5.9
3-4	.0	.7	1.2	.5	.0	.0	2.5
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	3.9	4.4	.5	.0	.0	8.9

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	5.5	.0	.0	.0	.0	5.5
1-2	.0	11.0	13.7	.0	.0	.0	24.6
3-4	.0	1.4	8.0	1.6	.0	.0	11.0
5-6	.0	.0	.7	.7	.0	.0	1.4
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	17.9	22.3	2.3	.0	.0	42.6

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	4.1	.0	.0	.0	.0	4.1
1-2	.0	4.8	6.0	.0	.0	.0	10.8
3-4	.0	1.1	.4	.0	.0	.0	1.4
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.7	.0	.0	.7
12	.0	.0	.0	.7	.0	.0	.7
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	9.9	7.1	1.4	.0	.0	18.4

PERIOD: (OVER-ALL) 1963-1977 SEPTEMBER AREA 0020 EASTER ISLAND

TABLE 1b (CONT) 27.2S 109.5W

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

S

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	1.1	.0	.0	.0	.0	1.1
1-2	.0	2.0	.0	.0	.0	.0	2.0
3-4	.0	2.3	4.6	.0	.0	.0	6.9
5-6	.0	1.4	4.1	.0	.0	.0	5.5
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	6.7	8.7	.0	.0	.0	15.4

SW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.2	.0	.0	.0	.0	.2
1-2	.0	.9	.2	.0	.0	.0	1.1
3-4	.0	.2	2.5	.0	.0	.0	2.7
5-6	.0	.0	1.6	.0	.0	.0	1.6
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	1.2	4.3	.0	.0	.0	5.5

W

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.5	.0	.0	.0	.5
3-4	.0	.0	2.1	.0	.0	.0	2.1
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	2.7	.0	.0	.0	2.7

NW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	.0	.0	.0	.0	.0	.0	.0	
1-2	.0	.2	.0	.0	.0	.0	.2	
3-4	.0	.0	.0	.0	.0	.0	.0	
5-6	.0	.0	.0	.0	.0	.0	.0	
7	.0	.0	.4	.2	.0	.0	.5	
8-9	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.0	.2	.4	.2	.0	.0	.7	100.0

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	.0	11.3	.0	.0	.0	.0	11.3	
1-2	.0	22.0	24.1	.0	.0	.0	46.1	
3-4	.0	5.7	19.9	2.1	.0	.0	27.7	
5-6	.0	1.4	7.8	1.4	.0	.0	10.6	
7	.0	.0	1.4	.7	.0	.0	2.1	
8-9	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.7	.0	.0	.7	
12	.0	.0	.7	.0	.0	.0	.7	
13-16	.0	.0	.0	.7	.0	.0	.7	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.0	40.4	53.9	5.7	.0	.0	100.0	141

PERIOD: (OVER-ALL) 1961-1977 TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	2.1	19.4	16.7	3.5	1.4	.0	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	63	3
6-7	.0	.0	17.4	9.7	3.5	2.8	2.8	.7	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	54	5
8-9	.0	.0	.0	.0	6.9	4.9	.0	.7	.7	1.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	21	9
10-11	.0	.0	.0	.0	.0	.0	1.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2	10
12-13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
>13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
INDET	1.4	.0	.0	1.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4	3
TOTAL	5	28	49	21	17	11	7	2	2	2	0	0	0	0	0	0	0	0	0	144	5
PCT	3.5	19.4	34.0	14.6	11.8	7.6	4.9	1.4	1.4	1.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

OCTOBER

PERIOD: (PRIMARY) 1963-1976
(OVER-ALL) 1868-1976

AREA 0020 EASTER ISLAND
27.0S 109.3W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
N	.0	.0	.0	.0	.0	.0	.0	.0	5.4	.0	.0	.0	.0	.0	.0	94.6
NE	.0	.0	5.2	.0	.0	.0	.0	5.2	.0	.0	.0	.0	.0	.0	.0	94.8
E	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
SE	3.5	.0	9.4	.0	.0	.0	.0	12.9	.0	.0	.0	.0	.0	.0	.0	87.1
S	40.6	.0	12.5	.0	.0	.0	.0	53.1	.0	.0	.0	.0	.0	.0	.0	46.9
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
NW	.0	.0	.0	.0	.0	.0	.0	.0	6.9	.0	.0	.0	.0	.0	.0	93.1
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	3.8	.0	3.8	.0	.0	.0	.0	7.5	1.9	.0	.0	.0	.0	.0	.0	90.6
TOT OBS:	106															

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
00&03	3.7	.0	.0	.0	.0	.0	.0	3.7	3.7	.0	.0	.0	.0	.0	.0	92.6
06&09	3.6	.0	7.1	.0	.0	.0	.0	10.7	3.6	.0	.0	.0	.0	.0	.0	85.7
12&15	8.0	.0	.0	.0	.0	.0	.0	8.0	.0	.0	.0	.0	.0	.0	.0	92.0
18&21	.0	.0	7.4	.0	.0	.0	.0	7.4	.0	.0	.0	.0	.0	.0	.0	92.6
TOT PCT	3.7	.0	3.7	.0	.0	.0	.0	7.5	1.9	.0	.0	.0	.0	.0	.0	90.7
TOT OBS:	107															

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	WIND SPEED (KNOTS)									HOUR (GMT)							
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	.0	3.2	23.8	.5	.0	.0		27.5	14.1	29.2	37.5	32.0	25.0	21.1	20.8	26.0	33.3
NE	.0	3.5	14.4	.0	.0	.0		17.8	13.3	20.8	6.3	16.0	33.3	15.8	8.3	18.8	33.3
E	.0	8.1	10.9	.0	.0	.0		19.0	11.3	15.6	43.8	16.0	33.3	9.2	50.0	21.9	.0
SE	.0	3.5	16.2	.0	.0	.0		19.7	13.6	15.6	.0	26.0	.0	34.2	8.3	16.7	.0
S	.0	2.5	4.9	.0	.0	.0		7.4	11.6	7.3	.0	3.0	.0	18.4	.0	8.3	.0
SW	.0	.0	.9	.0	.0	.0		.9	21.0	.0	.0	.0	.0	.0	.0	4.2	.0
W	.0	.0	.9	.0	.0	.0		.9	18.0	4.2	.0	.0	.0	.0	.0	.0	.0
NW	.0	2.3	3.9	.5	.0	.0		6.7	13.3	7.3	12.5	7.0	8.3	1.3	12.5	4.2	33.3
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0							.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT OBS	0	25	82	1	0	0	108		13.2	24	4	25	3	19	6	24	3
TOT PCT	.0	23.1	75.9	.9	.0	.0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

	WIND SPEED (KNOTS)								HOUR (GMT)			
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	06 09	12 15	18 21
N	.0	19.4	8.1	.0	.0		27.5	14.1	30.4	31.3	21.0	26.9
NE	.5	13.2	4.2	.0	.0		17.8	13.3	18.8	17.9	14.0	20.4
E	2.8	14.4	1.9	.0	.0		19.0	11.3	19.6	17.9	19.0	19.4
SE	1.4	13.7	4.6	.0	.0		19.7	13.6	13.4	23.2	28.0	14.8
S	.9	6.5	.0	.0	.0		7.4	11.6	6.3	2.7	14.0	7.4
SW	.0	.0	.9	.0	.0		.9	21.0	.0	.0	.0	3.7
W	.0	.0	.9	.0	.0		.9	18.0	3.6	.0	.0	.0
NW	.0	5.1	1.6	.0	.0		6.7	13.3	8.0	7.1	4.0	7.4
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	.0						.0	.0	.0	.0	.0	.0
TOT OBS	6	78	24	0	0	108		13.2	28	28	25	27
TOT PCT	5.6	72.2	22.2	.0	.0		100.0		100.0	100.0	100.0	100.0

OCTOBER

PERIOD: (PRIMARY) 1963-1970
(OVER-ALL) 1868-1970

AREA 0020 EASTER ISLAND
27.0S 109.3W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	1-3	4-10	WIND SPEED (KNOTS) 11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00&03	.0	.0	17.9	82.1	.0	.0	.0	13.7	100.0	28
06&09	.0	.0	21.4	78.6	.0	.0	.0	12.6	100.0	28
12&15	.0	.0	44.0	52.0	4.0	.0	.0	11.9	100.0	25
18&21	.0	.0	11.1	88.9	.0	.0	.0	14.4	100.0	27
TOT	0	0	25	82	1	0	0	13.2		108
PCT	.0	.0	23.1	75.9	.9	.0	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	2.9	6.9	14.7	4.6		5.2
NE	1.1	1.4	8.6	4.9		6.1
E	4.6	3.7	4.3	2.6		4.3
SE	1.1	3.7	14.7	3.2		5.6
S	.0	.0	3.2	3.7		7.2
SW	.0	.0	1.1	.0		7.0
W	.0	.0	1.1	.0		6.0
NW	.6	1.4	5.2	.6		5.3
VAR	.0	.0	.0	.0		.0
CALM	.0	.0	.0	.0		.0
TOT OBS	9	15	46	17	87	5.5
TOT PCT	10.3	17.2	52.9	19.5	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT,NH >4/8) AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	TOTAL OBS
.0	.0	.0	.0	1.7	4.9	.0	.0	.0	.0	22.4	
.0	.0	.0	1.1	.6	8.6	.0	.0	.0	.0	5.7	
.0	.0	.0	.0	1.7	4.3	.0	.0	.0	.0	9.2	
.0	.0	.0	.6	.3	11.2	.0	.0	.0	1.1	9.5	
.0	.0	.0	2.9	.9	3.2	.0	.0	.0	.0	.0	
.0	.0	.0	.0	1.1	.0	.0	.0	.0	.0	.0	
.0	.0	.0	.0	1.1	.0	.0	.0	.0	.0	.0	
.0	.0	.0	1.1	.6	.0	.0	.0	.0	.0	6.0	
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
0	0	0	5	7	28	0	0	0	1	46	87
.0	.0	.0	5.7	8.0	32.2	.0	.0	.0	1.1	52.9	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) = OR >10	= OR >5	= OR >2	= OR >1	= OR >1/2	= OR >1/4	= OR >5UYD	= OR >0
= OR >6500	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
= OR >5000	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
= OR >3500	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
= OR >2000	31.8	33.0	33.0	33.0	33.0	33.0	33.0	33.0
= OR >1000	34.1	37.5	40.9	40.9	40.9	40.9	40.9	40.9
= OR >600	35.2	39.8	46.6	46.6	46.6	46.6	46.6	46.6
= OR >300	35.2	39.8	46.6	46.6	46.6	46.6	46.6	46.6
= OR >150	35.2	39.8	46.6	46.6	46.6	46.6	46.6	46.6
= OR > 0	35.2	39.8	46.6	46.6	46.6	46.6	46.6	46.6
TOTAL	31	35	41	41	41	41	41	41

TOTAL NUMBER OF OBS: 88 PCT FREQ NH <5/8: 53.4

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8 OBSCD	TOTAL OBS
1.0	9.1	13.1	13.1	18.2	13.1	7.1	12.1	13.1 .0	99

OCTOBER

PERIOD: (PRIMARY) 1963-1976
(OVER-ALL) 1868-1976

AREA 0020 EASTER ISLAND
27.0S 109.3W

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
<1/2	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	PCP	.0	.0	.0	.7	4.0	.0	.0	.0	.0	.0	4.7	
2<5	NO PCP	.0	1.4	2.4	.0	.0	.0	.0	.0	.0	.0	3.8	
	TOT %	.0	1.4	2.4	.7	4.0	.0	.0	.0	.0	.0	8.5	
	PCP	.0	.9	.0	.0	.0	.0	.0	.0	.0	.0	.9	
5<10	NO PCP	2.8	3.8	6.1	.5	.0	.0	.0	.9	.0	.0	14.2	
	TOT %	2.8	4.7	6.1	.5	.0	.0	.0	.9	.0	.0	15.1	
	PCP	.0	.0	.0	1.9	.0	.0	.0	.0	.0	.0	1.9	
10+	NO PCP	23.3	12.0	10.8	17.0	3.5	.9	.9	5.9	.0	.0	74.5	
	TOT %	23.3	12.0	10.8	18.9	3.5	.9	.9	5.9	.0	.0	76.4	
	TOT OBS												106
	TOT PCT	26.2	18.2	19.3	20.0	7.5	.9	.9	6.8	.0	.0	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
<1/2	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	4-10	.0	.5	1.4	.0	.9	.0	.0	.0	.0		2.8	
	11-21	.0	.9	.9	.7	3.1	.0	.0	.0	.0		5.7	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	1.4	2.4	.7	4.0	.0	.0	.0	.0	.0	8.5	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
5<10	4-10	.0	.5	3.8	.5	.0	.0	.0	.0	.0		4.7	
	11-21	2.4	4.2	2.4	.0	.0	.0	.0	.5	.0		9.4	
	22+	.5	.0	.0	.0	.0	.0	.0	.5	.0		.9	
	TOT %	2.8	4.7	6.1	.5	.0	.0	.0	.9	.0	.0	15.1	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
10+	4-10	3.3	2.6	3.1	3.1	1.7	.0	.0	2.4	.0		16.0	
	11-21	20.0	9.4	7.8	15.8	1.9	.9	.9	3.5	.0		60.4	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	23.3	12.0	10.8	18.9	3.5	.9	.9	5.9	.0	.0	76.4	
	TOT OBS												106
	TOT PCT	26.2	18.2	19.3	20.0	7.5	.9	.9	6.8	.0	.0	100.0	

OCTOBER

PERIOD: (PRIMARY) 1963-1976
(OVER-ALL) 1868-1976

AREA 0020 EASTER ISLAND
27.0S 109.3W

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00&03	.0	.0	.0	8.0	8.0	40.0	.0	.0	.0	.0	56.0	44.0	25
06&09	.0	.0	.0	8.3	4.2	29.2	.0	.0	.0	.0	41.7	58.3	24
12&15	.0	.0	.0	.0	14.3	28.6	.0	.0	.0	4.8	47.6	52.4	21
18&21	.0	.0	.0	4.0	4.0	20.0	.0	.0	.0	.0	28.0	72.0	25
TOT	0	0	0	5	7	28	0	0	0	1	41	54	95
PCT	.0	.0	.0	5.3	7.4	29.5	.0	.0	.0	1.1	43.2	56.8	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00&03	.0	.0	.0	3.7	18.5	77.8	27
06&09	.0	.0	.0	7.1	17.9	75.0	28
12&15	.0	.0	.0	16.0	20.0	64.0	25
18&21	.0	.0	.0	7.4	7.4	85.2	27
TOT	0	0	0	9	17	81	107
PCT	.0	.0	.0	8.4	15.9	75.7	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET, NH >4/8), BY HOUR

HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL OBS
00&03	.0	.0	8.7	52.2	39.1	23
06&09	.0	.0	9.1	36.4	54.5	22
12&15	.0	.0	15.8	36.8	47.4	19
18&21	.0	.0	4.2	25.0	70.8	24
TOT	0	0	8	33	47	88
PCT	.0	.0	9.1	37.5	53.4	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
70/74	.0	.0	.0	.0	.0	14.0	4.7	.0	16	18.6
65/69	.0	.0	.0	.0	5.8	30.2	17.4	4.7	50	58.1
60/64	.0	.0	.0	.0	2.3	8.1	5.8	7.0	20	23.3
TOTAL	0	0	0	0	7	45	24	10	86	100.0
PCT	.0	.0	.0	.0	8.1	52.3	27.9	11.6		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
10.2	1.7	1.2	.0	.0	.0	.0	5.5	.0	.0
20.6	10.5	8.1	13.4	1.2	1.2	1.2	2.0	.0	.0
.9	2.3	.9	10.8	8.1	.0	.0	.3	.0	.0
31.7	14.5	10.2	24.1	9.3	1.2	1.2	7.8	.0	.0

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00&03	72	71	71	67	63	61	61	67.2	27
06&09	73	72	70	66	63	62	62	66.3	29
12&15	70	69	69	66	63	62	62	65.6	25
18&21	74	73	72	69	63	61	61	68.7	27
TOT	74	73	72	67	63	61	61	67.0	108

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00&03	.0	.0	.0	63.6	27.3	9.1	77	22
06&09	.0	.0	8.0	36.0	40.0	16.0	80	25
12&15	.0	.0	10.5	52.6	31.6	5.3	78	19
18&21	.0	.0	14.3	57.1	14.3	14.3	77	21
TOT	0	0	7	45	25	10	78	87

PERIOD: (PRIMARY) 1963-1976
(OVER-ALL) 1868-1976

AREA 0020 EASTER ISLAND
27.0S 109.3W

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	61 64	65 68	69 72	73 76	TOT	W FOG	WO FOG
3	.0	.0	1.1	.0	1	.0	1.1
2	.0	.0	2.2	.0	2	.0	2.2
1	.0	2.2	6.7	1.1	9	.0	10.0
0	.0	11.1	2.2	1.1	13	.0	14.4
-1	.0	7.8	5.6	.0	12	.0	13.3
-2	.0	12.2	5.6	.0	16	.0	17.8
-3	2.2	12.2	4.4	.0	17	.0	18.9
-4	10.0	2.2	.0	.0	11	.0	12.2
-5	7.8	.0	.0	.0	7	.0	7.8
-6	1.1	.0	.0	.0	1	.0	1.1
-7/-8	1.1	.0	.0	.0	1	.0	1.1
TOTAL	20		25			0	90
		43		2	90		
PCT	22.2	47.8	27.8	2.2	100.0		100.0

PERIOD: (OVER-ALL) 1963-1976

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	1.8	.9	.0	.0	.0	2.7
1-2	.0	2.4	4.2	.0	.0	.0	6.5
3-4	.0	.0	4.5	.0	.0	.0	4.5
5-6	.0	.0	5.7	.0	.0	.0	5.7
7	.0	.0	9.5	.0	.0	.0	9.5
8-9	.0	.0	2.4	.0	.0	.0	2.4
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	4.2	27.1	.0	.0	.0	31.3

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.3	.0	.0	.0	.0	.3
3-4	.0	2.4	3.0	.0	.0	.0	5.4
5-6	.0	.0	7.7	.0	.0	.0	7.7
7	.0	.0	1.5	.0	.0	.0	1.5
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	2.7	12.2	.0	.0	.0	14.9

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.9	.9	.0	.0	.0	1.8
3-4	.0	2.4	3.0	.0	.0	.0	5.4
5-6	.0	.0	.9	.0	.0	.0	.9
7	.0	.0	1.2	.0	.0	.0	1.2
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	3.3	6.0	.0	.0	.0	9.2

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	1.2	.0	.0	.0	.0	1.2
1-2	.0	.3	1.5	.0	.0	.0	1.8
3-4	.0	1.2	19.3	.0	.0	.0	20.5
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	1.2	.0	.0	.0	.0	1.2
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	3.9	20.8	.0	.0	.0	24.7

PERIOD: (OVER-ALL) 1963-1976

OCTOBER

AREA 0020 EASTER ISLAND
27.0S 109.3W

TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

S

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.9	.0	.0	.0	.0	.9
3-4	.0	1.2	6.3	.0	.0	.0	7.4
5-6	.0	1.2	.0	.0	.0	.0	1.2
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	3.3	6.3	.0	.0	.0	9.5

SW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	1.2	.0	.0	.0	1.2
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	1.2	.0	.0	.0	1.2

W

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	1.2	.0	.0	.0	1.2
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	1.2	.0	.0	.0	1.2

NW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	.0	3.0	.3	.0	.0	.0	3.3	
1-2	.0	.0	1.8	.0	.0	.0	1.8	
3-4	.0	.0	.9	.0	.0	.0	.9	
5-6	.0	.0	1.2	.0	.0	.0	1.2	
7	.0	.0	.9	.0	.0	.0	.9	
8-9	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.0	3.0	5.1	.0	.0	.0	8.0	100.0

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	.0	6.0	1.2	.0	.0	.0	7.1	
1-2	.0	4.8	8.3	.0	.0	.0	13.1	
3-4	.0	7.1	39.3	.0	.0	.0	46.4	
5-6	.0	1.2	15.5	.0	.0	.0	16.7	
7	.0	1.2	13.1	.0	.0	.0	14.3	
8-9	.0	.0	2.4	.0	.0	.0	2.4	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.0	20.2	79.8	.0	.0	.0	100.0	84

PERIOD: (OVER-ALL) 1960-1976

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	.0	3.5	11.6	17.4	10.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	37	5
6-7	.0	.0	4.7	17.4	15.1	5.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	37	6
8-9	.0	.0	.0	1.2	3.5	5.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	9	7
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
12-13	.0	.0	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	3
>13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
INDET	.0	.0	.0	1.2	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2	6
TOTAL	0	3	15	32	26	10	0	0	0	0	0	0	0	0	0	0	0	0	0	86	6
PCT	.0	3.5	17.4	37.2	30.2	11.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

NOVEMBER

PERIOD: (PRIMARY) 1952-1976
(OVER-ALL) 1943-1976

AREA 0020 EASTER ISLAND
27.2S 109.6W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG	DUST SNOW	NO SIG WEA
N	.0	.0	.0	.0	.0	.0	.0	.0	13.0	.0	.0	.0	.0	.0	.0	87.0
NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
E	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
SE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NW	.0	.0	.0	.0	.0	.0	.0	.0	20.0	.0	.0	.0	.0	.0	.0	80.0
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0	.0	3.8	.0	.0	.0	.0	.0	.0	96.2
TOT OBS:	26															

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG	DUST SNOW	NO SIG WEA
00&03	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
06&09	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
12&15	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
18&21	.0	.0	.0	.0	.0	.0	.0	.0	14.3	.0	.0	.0	.0	.0	.0	85.7
TOT PCT	.0	.0	.0	.0	.0	.0	.0	.0	3.8	.0	.0	.0	.0	.0	.0	96.2
TOT OBS:	26															

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	WIND SPEED (KNOTS)									HOUR (GMT)							
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	.0	12.5	8.0	.0	.0	.0		20.5	10.3	14.6	50.0	37.5	.0	.0	37.5	18.8	.0
NE	.0	26.8	1.8	.0	.0	.0		28.6	8.1	18.8	.0	12.5	.0	50.0	62.5	40.6	.0
E	.0	24.1	7.1	.0	.0	.0		31.3	10.8	56.3	.0	.0	.0	.0	.0	25.0	.0
SE	.0	8.0	3.6	.0	.0	.0		11.6	8.6	10.4	.0	50.0	.0	.0	.0	12.5	.0
S	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
SW	.0	3.6	.0	.0	.0	.0		3.6	7.0	.0	.0	.0	.0	50.0	.0	.0	.0
W	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NW	.0	3.6	.9	.0	.0	.0		4.5	8.0	.0	50.0	.0	.0	.0	.0	3.1	.0
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0							.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT OBS	0	22	6	0	0	0	28		9.4	12	2	2	0	2	2	8	0
TOT PCT	.0	78.6	21.4	.0	.0	.0		100.0		100.0	100.0	100.0	.0	100.0	100.0	100.0	.0

TABLE 3A

	WIND SPEED (KNOTS)								HOUR (GMT)			
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	06 09	12 15	18 21
N	2.7	15.2	2.7	.0	.0		20.5	10.3	19.6	37.5	18.8	18.8
NE	8.0	19.6	.9	.0	.0		28.6	8.1	16.1	12.5	56.3	40.6
E	.0	27.7	3.6	.0	.0		31.3	10.8	48.2	.0	.0	25.0
SE	3.6	8.0	.0	.0	.0		11.6	8.6	8.9	50.0	.0	12.5
S	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
SW	.0	3.6	.0	.0	.0		3.6	7.0	.0	.0	25.0	.0
W	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
NW	.0	4.5	.0	.0	.0		4.5	8.0	7.1	.0	.0	3.1
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	.0						.0	.0	.0	.0	.0	.0
TOT OBS	4	22	2	0	0	28		9.4	14	2	4	8
TOT PCT	14.3	78.6	7.1	.0	.0		100.0		100.0	100.0	100.0	100.0

NOVEMBER

PERIOD: (PRIMARY) 1952-1976
(OVER-ALL) 1943-1976

AREA 0020 EASTER ISLAND
27.2S 109.6W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
				WIND SPEED (KNOTS)						
00&03	.0	.0	78.6	21.4	.0	.0	.0	9.7	100.0	14
06&09	.0	.0	100.0	.0	.0	.0	.0	5.0	100.0	2
12&15	.0	.0	100.0	.0	.0	.0	.0	6.2	100.0	4
18&21	.0	.0	62.5	37.5	.0	.0	.0	11.7	100.0	8
TOT	0	0	22	6	0	0	0	9.4		28
PCT	.0	.0	78.6	21.4	.0	.0	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	.0	.0	14.8	3.4		7.1
NE	4.5	13.6	2.3	1.1		3.2
E	4.5	17.0	13.6	4.5		4.4
SE	4.5	5.7	4.5	.0		3.6
S	.0	.0	.0	.0		.0
SW	.0	4.5	.0	.0		3.0
W	.0	.0	.0	.0		.0
NW	.0	.0	1.1	.0		7.0
VAR	.0	.0	.0	.0		.0
CALM	.0	.0	.0	.0		.0
TOT OBS	3	9	8	2	22	4.5
TOT PCT	13.6	40.9	36.4	9.1	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT, NH >4/8) AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

WND DIR	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	TOTAL OBS
N	.0	.0	.0	.0	6.8	.0	3.4	.0	.0	.0	8.0	
NE	.0	.0	.0	.0	2.3	.0	1.1	.0	.0	.0	18.2	
E	.0	.0	.0	.0	4.5	.0	.0	.0	.0	.0	35.2	
SE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	14.8	
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.5	
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.1	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT OBS	0	0	0	0	3	0	1	0	0	0	18	22
TOT PCT	.0	.0	.0	.0	13.6	.0	4.5	.0	.0	.0	81.8	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) * OR >10	* OR >5	* OR >2	* OR >1	* OR >1/2	* OR >1/4	* OR >50YD	* OR >0
* OR >6500	.0	.0	.0	.0	.0	.0	.0	.0
* OR >5000	.0	.0	.0	.0	.0	.0	.0	.0
* OR >3500	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
* OR >2000	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
* OR >1000	18.2	18.2	18.2	18.2	18.2	18.2	18.2	18.2
* OR >600	18.2	18.2	18.2	18.2	18.2	18.2	18.2	18.2
* OR >300	18.2	18.2	18.2	18.2	18.2	18.2	18.2	18.2
* OR >150	18.2	18.2	18.2	18.2	18.2	18.2	18.2	18.2
* OR > 0	18.2	18.2	18.2	18.2	18.2	18.2	18.2	18.2
TOTAL	4	4	4	4	4	4	4	4

TOTAL NUMBER OF OBS: 22

PCT FREQ NH <5/8: 81.8

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8 OBSCD	TOTAL OBS
.0	18.2	31.8	13.6	18.2	4.5	4.5	4.5	4.5	.0	22

PERIOD: (PRIMARY) 1952-1976
(OVER-ALL) 1943-1976

AREA 0020 EASTER ISLAND
27.2S 109.6W

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
5<10	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
10+	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	22.1	23.1	33.7	12.5	.0	3.8	.0	4.8	.0	.0	100.0	
	TOT %	22.1	23.1	33.7	12.5	.0	3.8	.0	4.8	.0	.0	100.0	
	TOT OBS												26
	TOT PCT	22.1	23.1	33.7	12.5	.0	3.8	.0	4.8	.0	.0	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
5<10	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
10+	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	13.5	21.2	26.0	8.7	.0	3.8	.0	3.8	.0		76.9	
	11-21	8.7	1.9	7.7	3.8	.0	.0	.0	1.0	.0		23.1	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	22.1	23.1	33.7	12.5	.0	3.8	.0	4.8	.0	.0	100.0	
	TOT OBS												26
	TOT PCT	22.1	23.1	33.7	12.5	.0	3.8	.0	4.8	.0	.0	100.0	

NOVEMBER

PERIOD: (PRIMARY) 1952-1976
(OVER-ALL) 1943-1976

AREA 0020 EASTER ISLAND
27.2S 109.6W

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00&03	.0	.0	.0	.0	18.2	.0	.0	.0	.0	.0	18.2	81.8	11
06&09	.0	.0	.0	.0	.0	.0	50.0	.0	.0	.0	50.0	50.0	2
12&15	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	2
18&21	.0	.0	.0	.0	14.3	.0	.0	.0	.0	.0	14.3	85.7	7
TOT	0	0	0	0	3	0	1	0	0	0	4	18	22
PCT	.0	.0	.0	.0	13.6	.0	4.5	.0	.0	.0	18.2	81.8	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00&03	.0	.0	.0	.0	.0	100.0	13
06&09	.0	.0	.0	.0	.0	100.0	2
12&15	.0	.0	.0	.0	.0	100.0	4
18&21	.0	.0	.0	.0	.0	100.0	7
TOT	0	0	0	0	0	26	26
PCT	.0	.0	.0	.0	.0	100.0	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET, NH >4/8), BY HOUR

HOUR (GMT)	<150 <50VSBY	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL OBS
00&03	.0	.0	.0	18.2	81.8	11
06&09	.0	.0	.0	50.0	50.0	2
12&15	.0	.0	.0	.0	100.0	2
18&21	.0	.0	.0	14.3	85.7	7
TOT	0	0	0	4	18	22
PCT	.0	.0	.0	18.2	81.8	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
75/79	.0	.0	.0	.0	.0	7.4	.0	.0	2	7.4
70/74	.0	.0	.0	.0	7.4	22.2	25.9	3.7	16	59.3
65/69	.0	.0	.0	3.7	.0	14.8	14.8	.0	9	33.3
TOTAL	0	0	0	1	2	12	11	1	27	100.0
PCT	.0	.0	.0	3.7	7.4	44.4	40.7	3.7		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
.0	7.4	.0	.0	.0	.0	.0	.0	.0	.0
21.3	18.5	14.8	.0	.0	.0	.0	4.6	.0	.0
.0	3.7	14.8	11.1	.0	3.7	.0	.0	.0	.0
21.3	29.6	29.6	11.1	.0	3.7	.0	4.6	.0	.0

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00&03	74	73	73	71	66	66	66	70.6	14
06&09	70	69	69	67	67	67	67	68.5	2
12&15	73	72	72	68	66	66	66	69.3	4
18&21	76	75	75	72	68	68	68	72.3	8
TOT	76	75	75	71	66	66	66	70.7	28

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00&03	.0	.0	7.7	61.5	30.8	.0	76	13
06&09	.0	.0	.0	.0	100.0	.0	83	2
12&15	.0	.0	.0	.0	100.0	.0	82	4
18&21	.0	12.5	12.5	50.0	12.5	12.5	73	8
TOT	0	1	2	12	11	1	77	27

PERIOD: (PRIMARY) 1952-1976
(OVER-ALL) 1943-1976

AREA 0020 EASTER ISLAND
27.2S 109.6W

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	65 68	69 72	73 76	TOT	W FOG	WO FOG
3	.0	4.5	.0	1	.0	4.5
2	.0	.0	9.1	2	.0	9.1
1	.0	13.6	4.5	4	.0	18.2
0	4.5	13.6	.0	4	.0	18.2
-1	4.5	13.6	4.5	5	.0	22.7
-2	.0	9.1	.0	2	.0	9.1
-4	13.6	.0	.0	3	.0	13.6
-5	4.5	.0	.0	1	.0	4.5
TOTAL	6		4		0	22
		12		22		
PCT	27.3	54.5	18.2	100.0		100.0

PERIOD: (OVER-ALL) 1963-1976

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	4.2	.0	.0	.0	.0	4.2
3-4	.0	.0	8.3	.0	.0	.0	8.3
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	4.2	.0	.0	.0	4.2
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	4.2	12.5	.0	.0	.0	16.7

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	12.5	.0	.0	.0	.0	12.5
3-4	.0	.0	1.4	.0	.0	.0	1.4
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	1.4	.0	.0	.0	1.4
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	12.5	2.8	.0	.0	.0	15.3

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	16.7	.0	.0	.0	.0	16.7
3-4	.0	5.6	5.6	.0	.0	.0	11.1
5-6	.0	11.1	5.6	.0	.0	.0	16.7
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	33.3	11.1	.0	.0	.0	44.4

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	5.6	.0	.0	.0	.0	5.6
3-4	.0	5.6	5.6	.0	.0	.0	11.1
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	11.1	5.6	.0	.0	.0	16.7

PERIOD: (OVER-ALL) 1963-1976

NOVEMBER

TABLE 18 (CONT)

AREA 0020 EASTER ISLAND 27.2S 109.6W

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

S

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0

SW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	5.6	.0	.0	.0	.0	5.6
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	5.6	.0	.0	.0	.0	5.6

W

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0

NW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	.0	.0	.0	.0	.0	.0	.0	
1-2	.0	.0	.0	.0	.0	.0	.0	
3-4	.0	.0	1.4	.0	.0	.0	1.4	
5-6	.0	.0	.0	.0	.0	.0	.0	
7	.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.0	.0	1.4	.0	.0	.0	1.4	100.0

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	.0	.0	.0	.0	.0	.0	.0	
1-2	.0	38.9	.0	.0	.0	.0	38.9	
3-4	.0	16.7	22.2	.0	.0	.0	38.9	
5-6	.0	11.1	5.6	.0	.0	.0	16.7	
7	.0	.0	5.6	.0	.0	.0	5.6	
8-9	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.0	66.7	33.3	.0	.0	.0	100.0	18

PERIOD: (OVER-ALL) 1956-1976

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	.0	10.0	20.0	.0	10.0	.0	5.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	9	4
6-7	.0	.0	.0	.0	.0	.0	10.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2	10
8-9	.0	.0	.0	5.0	20.0	10.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7	7
10-11	.0	.0	.0	.0	.0	5.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	8
12-13	.0	.0	.0	5.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	5
>13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
INDET	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
TOTAL	0	2	4	2	6	3	3	0	0	0	0	0	0	0	0	0	0	0	0	20	6
PCT	.0	10.0	20.0	10.0	30.0	15.0	15.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

DECEMBER

PERIOD: (PRIMARY) 1962-1977
(OVER-ALL) 1899-1977

AREA 0020 EASTER ISLAND
27.2S 109.3W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

	PRECIPITATION TYPE									OTHER WEATHER PHENOMENA					
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
N	9.8	.0	9.8	.0	.0	.0	.0	19.5	7.3	.0	.0	.0	.0	.0	.0	73.2
NE	.0	.0	.0	.0	.0	.0	.0	.0	27.8	.0	.0	.0	.0	.0	.0	72.2
E	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
SE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	3.7	.0	3.7	.0	.0	.0	.0	7.4	7.4	.0	.0	.0	.0	.0	.0	85.2
TOT OBS:	27															

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

	PRECIPITATION TYPE									OTHER WEATHER PHENOMENA					
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
00&03	.0	.0	33.3	.0	.0	.0	.0	33.3	.0	.0	.0	.0	.0	.0	.0	66.7
06&09	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
12&15	.0	.0	.0	.0	.0	.0	.0	.0	20.0	.0	.0	.0	.0	.0	.0	80.0
18&21	12.5	.0	.0	.0	.0	.0	.0	12.5	.0	.0	.0	.0	.0	.0	.0	87.5
TOT PCT	3.6	.0	3.6	.0	.0	.0	.0	7.1	7.1	.0	.0	.0	.0	.0	.0	85.7
TOT OBS.	28															

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	WIND SPEED (KNOTS)									HOUR (GMT)						
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	.0	15.3	21.0	.0	.0	.0		36.3	12.0	.0	66.7	25.0	50.0	27.5	100.0	33.3	.0
NE	.0	11.3	9.7	.0	.0	.0		21.0	11.8	100.0	33.3	6.3	.0	22.5	.0	22.2	.0
E	.0	16.1	6.5	.0	.0	.0		22.6	10.7	.0	.0	43.8	33.3	25.0	.0	19.4	.0
SE	.0	2.4	3.2	.0	.0	.0		5.6	12.8	.0	.0	25.0	.0	5.0	.0	2.8	.0
S	.0	3.2	.0	.0	.0	.0		3.2	7.0	.0	.0	.0	.0	10.0	.0	.0	.0
SW	.0	.8	.0	.0	.0	.0		.8	5.0	.0	.0	.0	.0	.0	.0	2.8	.0
W	.0	5.6	3.2	.0	.0	.0		8.9	9.7	.0	.0	.0	.0	10.0	.0	19.4	.0
NW	.0	.0	1.6	.0	.0	.0		1.6	13.5	.0	.0	.0	16.7	.0	.0	.0	.0
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0							.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT OBS	0	17	14	0	0	0	31		11.3	1	3	4	3	10	1	9	0
TOT PCT	.0	54.8	45.2	.0	.0	.0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	.0

TABLE 3A

	WIND SPEED (KNOTS)								HOUR (GMT)			
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	06 09	12 15	18 21
N	.0	36.3	.0	.0	.0		36.3	12.0	50.0	35.7	34.1	33.3
NE	.0	17.7	3.2	.0	.0		21.0	11.8	50.0	3.6	20.5	22.2
E	.0	19.4	3.2	.0	.0		22.6	10.7	.0	39.3	22.7	19.4
SE	.0	5.6	.0	.0	.0		5.6	12.8	.0	14.3	4.5	2.8
S	.0	3.2	.0	.0	.0		3.2	7.0	.0	.0	9.1	.0
SW	.8	.0	.0	.0	.0		.8	5.0	.0	.0	.0	2.8
W	2.4	6.5	.0	.0	.0		8.9	9.7	.0	.0	9.1	19.4
NW	.0	1.6	.0	.0	.0		1.6	13.5	.0	7.1	.0	.0
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	.0						.0	.0	.0	.0	.0	.0
TOT OBS	1	28	2	0	0	31		11.3	4	7	11	9
TOT PCT	3.2	90.3	6.5	.0	.0		100.0		100.0	100.0	100.0	100.0

DECEMBER

PERIOD: (PRIMARY) 1962-1977
(OVER-ALL) 1899-1977

AREA 0020 EASTER ISLAND
27.2S 109.3W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS) 1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00&03	.0	.0	.0	100.0	.0	.0	.0	13.7	100.0	4
06&09	.0	.0	28.6	71.4	.0	.0	.0	13.2	100.0	7
12&15	.0	.0	72.7	27.3	.0	.0	.0	10.1	100.0	11
18&21	.0	.0	77.8	22.2	.0	.0	.0	10.1	100.0	9
TOT	0	0	17	14	0	0	0	11.3		31
PCT	.0	.0	54.8	45.2	.0	.0	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	.0	13.0	15.2	7.6		5.5
NE	1.1	8.7	8.7	1.1		4.7
E	7.6	7.6	6.5	.0		3.3
SE	.0	5.4	2.2	.0		4.0
S	.0	.0	.0	.0		.0
SW	1.1	.0	.0	.0		2.0
W	3.3	.0	8.7	.0		5.6
NW	.0	.0	2.2	.0		6.0
VAR	.0	.0	.0	.0		.0
CALM	.0	.0	.0	.0		.0
TOT OBS	3	8	10	2	23	4.7
TOT PCT	13.0	34.8	43.5	8.7	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT,NH >4/8) AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

WND DIR	000-149	150-299	300-599	600-999	1000-1999	2000-3499	3500-4999	5000-6499	6500-7999	8000+	NH <5/8 ANY HGT	TOTAL OBS
N	.0	.0	.0	4.3	6.5	.0	.0	.0	.0	4.3	20.7	
NE	.0	.0	.0	.0	1.1	.0	.0	.0	.0	.0	18.5	
E	.0	.0	.0	.0	.0	3.3	.0	.0	.0	.0	18.5	
SE	.0	.0	.0	.0	.0	1.1	.0	.0	.0	.0	6.5	
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.1	
W	.0	.0	.0	4.3	4.3	.0	.0	.0	.0	.0	3.3	
NW	.0	.0	.0	.0	1.1	.0	.0	.0	.0	.0	1.1	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT OBS	0	0	0	2	3	1	0	0	0	1	16	23
TOT PCT	.0	.0	.0	8.7	13.0	4.3	.0	.0	.0	4.3	69.6	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) ≥ OR >10	≥ OR >5	≥ OR >2	≥ OR >1	≥ OR >1/2	≥ OR >1/4	≥ OR >50YD	≥ OR >0
≥ OR >6500	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2
≥ OR >5000	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2
≥ OR >3500	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2
≥ OR >2000	8.3	12.5	12.5	12.5	12.5	12.5	12.5	12.5
≥ OR >1000	16.7	20.8	25.0	25.0	25.0	25.0	25.0	25.0
≥ OR >600	20.8	25.0	33.3	33.3	33.3	33.3	33.3	33.3
≥ OR >300	20.8	25.0	33.3	33.3	33.3	33.3	33.3	33.3
≥ OR >150	20.8	25.0	33.3	33.3	33.3	33.3	33.3	33.3
≥ OR > 0	20.8	25.0	33.3	33.3	33.3	33.3	33.3	33.3
TOTAL	5	6	8	8	8	8	8	8

TOTAL NUMBER OF OBS: 24 PCT FREQ NH <5/8: 66.7

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8 OBSCD	TOTAL OBS
.0	15.4	11.5	26.9	11.5	7.7	7.7	11.5	7.7	.0	26

PERIOD: (PRIMARY) 1962-1977
(OVER-ALL) 1899-1977

AREA 0020 EASTER ISLAND
27.2S 109.3W

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	PCP	3.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.7	
	NO PCP	5.6	.9	.0	.0	.0	.0	.0	.9	.0	.0	7.4	
	TOT %	9.3	.9	.0	.0	.0	.0	.0	.9	.0	.0	11.1	
5<10	PCP	3.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.7	
	NO PCP	3.7	.0	6.5	.9	.0	.0	.0	.0	.0	.0	11.1	
	TOT %	7.4	.0	6.5	.9	.0	.0	.0	.0	.0	.0	14.8	
10+	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	21.3	15.7	15.7	5.6	3.7	.9	10.2	.9	.0	.0	74.1	
	TOT %	21.3	15.7	15.7	5.6	3.7	.9	10.2	.9	.0	.0	74.1	
	TOT OBS												27
	TOT PCT	38.0	16.7	22.2	6.5	3.7	.9	10.2	1.9	.0	.0	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	2.8	.9	.0	.0	.0	.0	.0	.0	.0		3.7	
	11-21	6.5	.0	.0	.0	.0	.0	.0	.9	.0		7.4	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	9.3	.9	.0	.0	.0	.0	.0	.9	.0	.0	11.1	
5<10	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	3.7	.0	6.5	.9	.0	.0	.0	.0	.0		11.1	
	11-21	3.7	.0	.0	.0	.0	.0	.0	.0	.0		3.7	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	7.4	.0	6.5	.9	.0	.0	.0	.0	.0	.0	14.8	
10+	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	7.4	8.3	12.0	1.9	3.7	.9	6.5	.0	.0		40.7	
	11-21	13.9	7.4	3.7	3.7	.0	.0	3.7	.9	.0		33.3	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	21.3	15.7	15.7	5.6	3.7	.9	10.2	.9	.0	.0	74.1	
	TOT OBS												27
	TOT PCT	38.0	16.7	22.2	6.5	3.7	.9	10.2	1.9	.0	.0	100.0	

DECEMBER

PERIOD: (PRIMARY) 1962-1977
(OVER-ALL) 1899-1977

TABLE 10

AREA 0020 EASTER ISLAND
27.2S 109.3W

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00&03	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	2
06&09	.0	.0	.0	.0	16.7	.0	.0	.0	.0	16.7	33.3	66.7	6
12&15	.0	.0	.0	11.1	11.1	22.2	.0	.0	.0	.0	44.4	55.6	9
18&21	.0	.0	.0	12.5	12.5	.0	.0	.0	.0	.0	25.0	75.0	8
TOT	0	0	0	2	3	2	0	0	0	1	8	17	25
PCT	.0	.0	.0	8.0	12.0	8.0	.0	.0	.0	4.0	32.0	68.0	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00&03	.0	.0	.0	.0	33.3	66.7	3
06&09	.0	.0	.0	14.3	.0	85.7	7
12&15	.0	.0	.0	10.0	20.0	70.0	10
18&21	.0	.0	.0	12.5	12.5	75.0	8
TOT	0	0	0	3	4	21	28
PCT	.0	.0	.0	10.7	14.3	75.0	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET, NH >4/8), BY HOUR

HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL OBS
00&03	.0	.0	.0	.0	100.0	2
06&09	.0	.0	16.7	33.3	50.0	6
12&15	.0	.0	25.0	25.0	50.0	8
18&21	.0	.0	12.5	12.5	75.0	8
TOT	0	0	4	5	15	24
PCT	.0	.0	16.7	20.8	62.5	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
75/79	.0	.0	.0	.0	.0	7.4	7.4	.0	4	14.8
70/74	.0	.0	.0	.0	.0	18.5	40.7	7.4	18	66.7
65/69	.0	.0	.0	.0	7.4	3.7	3.7	3.7	5	18.5
TOTAL	0	0	0	0	2	8	14	3	27	100.0
PCT	.0	.0	.0	.0	7.4	29.6	51.9	11.1		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
3.7	3.7	3.7	.0	.0	.0	3.7	.0	.0	.0
26.9	13.0	12.0	5.6	.0	.9	6.5	1.9	.0	.0
.0	3.7	10.2	.9	3.7	.0	.0	.0	.0	.0
30.6	20.4	25.9	6.5	3.7	.9	10.2	1.9	.0	.0

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00&03	75	74	74	72	72	72	72	72.8	4
06&09	74	73	73	72	69	69	69	71.6	7
12&15	77	76	76	73	68	68	68	72.3	12
18&21	77	76	76	73	68	68	68	72.8	8
TOT	77	76	76	72	68	68	68	72.3	31

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00&03	.0	.0	.0	.0	100.0	.0	85	2
06&09	.0	.0	14.3	42.9	42.9	.0	78	7
12&15	.0	.0	9.1	36.4	36.4	18.2	82	11
18&21	.0	.0	.0	25.0	62.5	12.5	83	8
TOT	0	0	2	9	14	3	81	28

PERIOD: (PRIMARY) 1962-1977
(OVER-ALL) 1899-1977

AREA 0020 EASTER ISLAND
27.2S 109.3W

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	65 68	69 72	73 76	77 80	TOT	W FOG	WO FOG
5	.0	.0	.0	3.8	1	.0	3.8
2	.0	.0	3.8	.0	1	.0	3.8
1	.0	3.8	7.7	.0	3	.0	11.5
0	.0	11.5	7.7	3.8	6	.0	23.1
-1	.0	11.5	11.5	.0	6	.0	23.1
-2	.0	3.8	7.7	.0	3	.0	11.5
-3	.0	7.7	3.8	.0	3	.0	11.5
-5	.0	3.8	.0	.0	1	.0	3.8
-6	.0	3.8	.0	.0	1	.0	3.8
-7/-8	3.8	.0	.0	.0	1	.0	3.8
TOTAL	1		11		26	0	26
		12		2			
PCT	3.8	46.2	42.3	7.7	100.0		100.0

PERIOD: (OVER-ALL) 1963-1977

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	3.4	.0	.0	.0	3.4
1-2	.0	3.4	12.5	.0	.0	.0	15.9
3-4	.0	9.1	4.5	.0	.0	.0	13.6
5-6	.0	.0	4.5	.0	.0	.0	4.5
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	12.5	25.0	.0	.0	.0	37.5

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	10.2	4.5	.0	.0	.0	14.8
3-4	.0	1.1	.0	.0	.0	.0	1.1
5-6	.0	.0	4.5	.0	.0	.0	4.5
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	11.4	9.1	.0	.0	.0	20.5

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	3.4	4.5	.0	.0	.0	8.0
3-4	.0	11.4	.0	.0	.0	.0	11.4
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	14.8	4.5	.0	.0	.0	19.3

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	1.1	.0	.0	.0	.0	1.1
3-4	.0	1.1	.0	.0	.0	.0	1.1
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	4.5	.0	.0	.0	4.5
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	2.3	4.5	.0	.0	.0	6.8

PERIOD: (OVER-ALL) 1963-1977

DECEMBER

TABLE 18 (CONT)

AREA 0020 EASTER ISLAND
27.2S 109.3W

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

S

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0

SW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	1.1	.0	.0	.0	.0	1.1
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	1.1	.0	.0	.0	.0	1.1

W

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	3.4	.0	.0	.0	.0	3.4
3-4	.0	4.5	4.5	.0	.0	.0	9.1
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	8.0	4.5	.0	.0	.0	12.5

NW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	.0	.0	1.1	.0	.0	.0	1.1	
1-2	.0	.0	1.1	.0	.0	.0	1.1	
3-4	.0	.0	.0	.0	.0	.0	.0	
5-6	.0	.0	.0	.0	.0	.0	.0	
7	.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.0	.0	2.3	.0	.0	.0	2.3	100.0

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	.0	.0	4.5	.0	.0	.0	4.5	
1-2	.0	22.7	22.7	.0	.0	.0	45.5	
3-4	.0	27.3	9.1	.0	.0	.0	36.4	
5-6	.0	.0	9.1	.0	.0	.0	9.1	
7	.0	.0	4.5	.0	.0	.0	4.5	
8-9	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.0	50.0	50.0	.0	.0	.0	100.0	22

PERIOD: (OVER-ALL) 1965-1977

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	.0	16.0	8.0	.0	8.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	8	4
6-7	.0	4.0	.0	8.0	12.0	12.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	9	6
8-9	.0	8.0	8.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4	3
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
12-13	.0	.0	.0	.0	8.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2	7
>13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
INDET	.0	.0	.0	.0	8.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2	7
TOTAL	0	7	4	2	9	3	0	0	0	0	0	0	0	0	0	0	0	0	0	25	5
PCT	.0	28.0	16.0	8.0	36.0	12.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

ANNUAL

PERIOD: (PRIMARY) 1950-1978
(OVER-ALL) 1858-1978

AREA 0020 EASTER ISLAND
27.15 109.5W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
N	2.1	2.1	1.0	.0	.0	.0	.0	5.3	8.9	.0	.2	.0	.0		.0	85.6
NE	1.9	.7	1.5	.0	.0	.0	.0	4.0	4.3	.3	.1	.0	.0		.0	91.4
E	1.3	.6	.2	.0	.0	.0	.0	2.2	3.2	.0	.0	.0	.0		.0	94.6
SE	2.9	1.0	.8	.0	.0	.0	.0	5.3	5.6	.0	.0	.0	.0		.0	89.2
S	4.6	.0	1.9	.0	.0	.0	.0	6.6	1.4	.5	.0	.0	.0		.0	83.1
SW	3.7	.6	3.4	.0	.0	.0	.0	7.7	1.0	.8	.0	.0	.0		.0	82.6
W	11.9	.0	1.3	.0	.0	.0	.0	13.2	1.0	1.4	.0	.0	.0		.0	59.6
NW	2.5	.0	.5	.0	.0	.0	.0	3.0	5.4	1.9	.0	.0	.0		.0	81.7
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0
CALM	1.4	1.4	2.8	.0	.0	.0	.0	5.6	.0	.0	.0	.0	.0		.0	44.4
TOT PCT	2.9	1.1	1.4	.0	.0	.0	.0	5.4	4.6	.5	*	.0	.0		.0	89.5
TOT OBS:	1133															

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
00&03	2.6	.5	3.0	.0	.0	.0	.0	6.2	2.7	.4	.1	.0	.0		.0	90.7
06&09	3.6	1.3	1.4	.0	.0	.0	.0	6.3	3.9	.5	.0	.0	.0		.0	89.3
12&15	2.2	1.0	1.6	.0	.0	.0	.0	5.4	7.8	1.1	.0	.0	.0		.0	86.0
18&21	2.9	1.0	1.2	.0	.0	.0	.0	5.1	2.8	.0	.0	.0	.0		.0	92.1
TOT PCT	2.9	1.1	1.4	.0	.0	.0	.0	5.4	4.5	.5	*	.0	.0		.0	89.6
TOT OBS:	1144															

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	WIND SPEED (KNOTS)									HOUR (GMT)						
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	.5	6.4	8.6	1.3	.1	.0		16.8	13.3	17.0	17.0	17.5	6.3	10.9	23.2	17.3	2.8
NE	.6	8.6	7.7	.3	.0	.0		17.2	11.0	22.1	18.4	13.9	2.8	19.2	16.7	20.1	2.8
E	.5	12.6	10.5	.5	.0	.0		24.1	11.0	20.6	18.2	21.3	11.1	23.6	12.5	23.6	.0
SE	.9	6.9	6.8	.9	.0	.0		15.5	11.5	15.6	10.8	22.5	2.8	16.7	12.4	11.1	.0
S	.1	3.6	2.8	.3	.1	.0		6.8	9.1	7.2	13.9	6.3	.0	8.2	4.2	5.0	.0
SW	.3	2.8	2.2	.4	.0	.0		5.8	10.6	6.8	4.2	4.7	.0	9.7	13.5	4.6	.0
W	.1	1.5	2.1	.5	.0	.0		4.3	10.9	3.3	.0	2.9	.0	3.9	1.0	7.9	.0
NW	.0	3.0	4.0	1.1	.0	.0		8.1	11.8	6.8	12.2	9.3	2.1	6.5	4.8	8.9	2.8
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	1.5							1.5	.0	.6	2.1	1.5	.0	1.4	3.3	1.6	.0
TOT OBS							1177		11.7	286	35	277	9	263	31	273	3
TOT PCT	4.5	45.5	44.7	5.2	.1	.0		100.0		100.0	91.7	100.0	25.0	100.0	91.7	100.0	8.3

TABLE 3A

	WIND SPEED (KNOTS)								HOUR (GMT)			
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	06 09	12 15	18 21
N	1.5	11.2	3.6	.4	.0		16.8	13.3	20.2	18.0	13.6	17.4
NE	2.9	12.4	2.0	.0	.0		17.2	11.0	17.9	13.4	19.2	20.3
E	2.8	18.0	3.2	.1	.0		24.1	11.0	22.4	22.0	24.5	23.4
SE	2.6	10.5	2.1	.4	.0		15.5	11.5	14.2	21.5	15.7	10.9
S	.9	4.7	1.1	.1	.0		6.8	9.1	7.6	6.3	7.4	4.9
SW	1.0	3.6	1.1	.1	.0		5.8	10.6	6.1	4.7	7.9	4.5
W	.4	2.9	.6	.3	.0		4.3	10.9	3.0	2.9	3.6	7.9
NW	.6	5.0	2.1	.4	.0		8.1	11.8	7.6	9.6	6.2	9.2
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	1.5						1.5	.0	1.0	1.5	1.8	1.6
TOT OBS						1177		11.7	321	286	294	276
TOT PCT	14.2	68.3	15.8	1.7	.0		100.0		100.0	100.0	100.0	100.0

ANNUAL

PERIOD: (PRIMARY) 1950-1978
(OVER-ALL) 1858-1978

AREA 0020 EASTER ISLAND
27.1S 109.5W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS) 1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00&03	1.0	2.0	40.4	50.5	5.6	.5	.0	12.4	100.0	321
06&09	1.5	2.2	49.3	40.6	6.4	.0	.0	11.3	100.0	286
12&15	1.8	5.1	53.5	35.0	4.6	.0	.0	10.6	100.0	294
18&21	1.6	1.7	39.9	52.8	4.0	.0	.0	12.3	100.0	276
TOT								11.7		1177
PCT	1.5	3.0	45.5	44.7	5.2	.1	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	2.1	3.3	7.3	3.7		4.9
NE	3.5	4.7	5.9	2.3		4.6
E	6.0	8.2	7.1	3.0		4.3
SE	3.6	3.2	6.4	2.8		4.8
S	.8	1.1	3.4	1.1		4.2
SW	.9	1.3	2.7	.9		4.5
W	1.1	.8	2.0	1.0		3.8
NW	1.2	1.6	4.3	1.5		4.8
VAR	.0	.0	.0	.0		.0
CALM	.6	.3	.2	.2		2.2
TOT OBS					1051	4.8
TOT PCT	19.8	24.5	39.2	16.5	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT,NH >4/8) AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

WND DIR	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	TOTAL OBS
N	.1	.0	.0	.7	2.7	1.7	.4	.0	.0	.4	10.5	
NE	.0	.0	.2	.2	2.1	2.0	.4	*	.0	.1	11.4	
E	.1	.0	.3	.1	2.5	3.6	.3	.2	.0	.1	17.1	
SE	*	.0	.0	1.3	2.0	2.9	.5	.0	.1	.2	9.2	
S	*	.0	.0	.5	1.1	1.5	.0	.2	.0	*	3.1	
SW	.0	.0	.0	.2	1.0	1.0	.0	.2	.0	.3	3.2	
W	.1	.2	.1	.6	1.1	.5	.0	.0	.0	.0	2.4	
NW	.1	.1	.0	.3	1.4	.9	.2	.0	.0	.0	5.5	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.0	.0	.1	.0	.1	.0	.0	.1	.0	1.0	
TOT OBS												1051
TOT PCT	.4	.3	.6	3.8	14.0	14.2	1.7	.6	.1	1.0	63.3	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) * OR >10	* OR >5	* OR >2	* OR >1	* OR >1/2	* OR >1/4	* OR >50YD	* OR >0
* OR >6500	1.0	1.1	1.1	1.1	1.1	1.1	1.1	1.1
* OR >5000	1.5	1.7	1.7	1.7	1.7	1.7	1.7	1.7
* OR >3500	3.3	3.5	3.5	3.5	3.5	3.5	3.5	3.5
* OR >2000	16.4	18.0	18.0	18.0	18.0	18.0	18.0	18.0
* OR >1000	26.9	31.1	31.8	31.8	31.8	31.8	31.8	31.8
* OR >600	29.0	34.2	35.6	35.6	35.6	35.6	35.6	35.6
* OR >300	29.4	34.5	36.1	36.2	36.2	36.2	36.2	36.2
* OR >150	29.4	34.5	36.1	36.2	36.4	36.4	36.4	36.4
* OR > 0	29.5	34.8	36.4	36.4	36.7	36.7	36.7	36.7

TOTAL NUMBER OF OBS: 1053 PCT FREQ NH <5/8: 63.3

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8 OBSCD	TOTAL OBS
3.1	10.7	19.2	17.1	12.8	10.1	8.3	10.0	8.5 .2	1079

ANNUAL

PERIOD: (PRIMARY) 1950-1978
(OVER-ALL) 1858-1978

AREA 0020 EASTER ISLAND
27.1S 109.3W

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	PCP	.0	.0	.1	.0	.0	.0	.2	.1	.0	.0	.3	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.1	.0	.0	.0	.2	.1	.0	.0	.3	
1<2	PCP	.0	.0	.0	.0	.0	.0	*	.0	.0	.0	*	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	*	.0	.0	.0	*	
2<5	PCP	.3	.0	.2	.1	.5	.0	.0	.0	.0	.0	1.1	
	NO PCP	.5	.2	.2	.0	.0	.0	.0	.1	.0	.0	.9	
	TOT %	.8	.2	.4	.1	.5	.0	.0	.1	.0	.0	2.0	
5<10	PCP	.8	.5	.1	.2	.1	.2	.2	.2	.0	.2	2.4	
	NO PCP	1.4	1.4	2.5	1.2	.5	.4	.2	1.3	.0	.2	9.3	
	TOT %	2.2	1.9	2.6	1.4	.7	.6	.4	1.5	.0	.4	11.7	
10+	PCP	.0	.2	.2	.5	.1	.1	.1	.0	.0	.1	1.3	
	NO PCP	14.1	14.5	21.2	13.4	5.4	4.7	3.7	6.6	.0	1.1	84.7	
	TOT %	14.1	14.7	21.4	13.9	5.5	4.8	3.9	6.6	.0	1.1	86.0	
	TOT OBS												1125
	TOT PCT	17.0	16.8	24.5	15.4	6.6	5.4	4.5	8.2	.0	1.5	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.1	.0	.0	.0	.2	.1	.0		.3	
	TOT %	.0	.0	.1	.0	.0	.0	.2	.1	.0	.0	.3	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	*	.0	.0		*	
	TOT %	.0	.0	.0	.0	.0	.0	*	.0	.0	.0	*	
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.2	.1	.3	.1	.1	.0	.0	.0	.0		.8	
	11-21	.5	.1	.1	.1	.4	.0	.0	.1	.0		1.2	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.8	.2	.4	.1	.5	.0	.0	.1	.0	.0	2.0	
5<10	0-3	.1	.2	.2	.0	.0	.0	.0	.0	.0	.4	.9	
	4-10	.9	.7	1.1	.6	.1	.2	.1	.1	.0		3.8	
	11-21	1.0	.8	1.2	.6	.3	.2	.2	1.0	.0		5.4	
	22+	.2	.2	*	.3	.2	.2	.1	.4	.0		1.6	
	TOT %	2.2	1.9	2.6	1.4	.7	.6	.4	1.5	.0	.4	11.7	
10+	0-3	.4	.1	.2	.9	.1	.2	.1	.0	.0	1.1	3.2	
	4-10	5.2	7.5	11.7	6.1	3.3	2.7	1.5	2.9	.0		40.9	
	11-21	7.2	7.0	9.1	6.3	2.0	1.7	2.0	3.0	.0		38.2	
	22+	1.2	.1	.4	.7	.1	.2	.3	.7	.0		3.7	
	TOT %	14.0	14.7	21.4	13.9	5.5	4.8	3.9	6.6	.0	1.1	86.0	
	TOT OBS												1126
	TOT PCT	17.0	16.8	24.5	15.4	6.6	5.4	4.5	8.2	.0	1.5	100.0	

ANNUAL

PERIOD: (PRIMARY) 1950-1976
(OVER-ALL) 1838-1976

AREA 0020 EASTER ISLAND
27.1S 109.5W

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET,NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00&03	.4	.7	.2	4.9	11.1	14.3	.9	.4	.0	.0	32.9	67.1	284
06&09	.3	.0	.6	2.4	12.4	10.3	6.3	.6	.2	3.2	36.3	63.7	265
12&15	.0	.0	.4	1.7	15.6	16.4	2.0	.4	.4	.8	38.3	61.7	251
18&21	.3	.0	.8	3.6	13.2	15.7	1.1	.7	.0	.0	37.4	62.6	272
TOT													1072
PCT	.4	.2	.6	3.7	13.9	14.2	1.8	.6	.1	.9	36.5	63.5	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00&03	.0	.6	.0	.5	17.1	81.8	307
06&09	.0	.0	.1	2.4	7.6	89.8	277
12&15	.0	.1	.0	2.2	14.1	83.6	260
18&21	.0	.1	.0	2.1	8.0	89.8	273
TOT							1137
PCT	.0	.3	*	2.0	11.7	86.0	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET,NH >4/8),BY HOUR

HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL OBS
00&03	.2	1.2	6.2	27.0	66.8	279
06&09	.1	.8	4.6	33.6	61.8	259
12&15	.5	.9	5.1	33.6	61.3	245
18&21	.3	1.1	7.2	30.5	62.3	270
TOT						1053
PCT	.3	1.1	6.0	31.1	62.9	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
80/84	.0	.0	.2	.0	.6	.6	.0	.0		1.5
75/79	.0	.0	.2	.5	2.5	8.9	6.0	.6		18.6
70/74	.0	.0	.0	.3	4.2	14.3	16.7	2.9		38.4
65/69	.0	.0	.2	1.1	4.2	11.9	12.1	4.0		33.4
60/64	.0	.0	.1	.3	2.6	2.3	1.7	1.0		8.0
55/59	.0	.0	.0	.0	.0	.0	.1	.0		.1
TOTAL									1099	100.0
PCT	.0	.0	.5	2.1	14.3	38.1	36.6	8.4		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
.4	*	.3	.0	.0	.5	.0	.1	.0	.2
2.5	5.1	5.0	2.3	.5	.8	.7	1.5	.0	.2
9.3	6.2	8.0	5.6	1.1	1.1	1.9	4.6	.0	.6
4.6	5.1	8.5	5.8	2.5	2.6	1.7	2.2	.0	.3
.1	.3	1.3	2.4	2.7	.7	.3	.1	.0	.1
.0	.0	.0	.0	.1	.0	.0	.0	.0	.0
17.0	16.8	23.1	16.1	6.8	5.7	4.6	8.5	.0	1.4

TABLE 15

MEANS,EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00&03	81	75	74	71	67	66	59	69.8	325
06&09	81	73	73	70	67	67	61	68.6	290
12&15	79	73	73	70	66	65	60	68.2	296
18&21	80	76	75	72	67	67	61	69.9	277
TOT	81	76	75	71	67	65	59	69.1	1188

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00&03	.0	2.9	13.9	42.3	35.8	5.2	76	295
06&09	.0	1.6	11.7	29.5	50.2	7.0	78	279
12&15	.0	1.5	12.0	29.9	44.5	12.1	79	267
18&21	.0	4.0	18.4	44.1	27.1	6.3	75	269
TOT	0	37	177	422	379	95	77	1110

ANNUAL

PERIOD: (PRIMARY) 1950-1978
(OVER-ALL) 1858-1978

AREA 0020 EASTER ISLAND
27.1S 109.5W

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	57 60	61 64	65 68	69 72	73 76	77 80	81 84	TOT	W FOG	WO FOG
7/8	.0	.0	.0	.0	.0	.2	.2	3	.0	.4
6	.0	.0	.0	.1	.0	*	.0	2	.0	.1
5	.0	.0	.0	.0	.1	.3	.0	4	.0	.5
4	.0	.0	.0	.1	.3	.2	.0	10	.0	.5
3	.0	.0	.0	.5	.3	.3	.0	9	.0	1.2
2	.0	.0	.0	.8	1.1	1.8	.0	26	.0	3.8
1	.0	.0	.4	3.5	2.9	2.2	.0	66	.0	8.9
0	.0	.0	1.9	5.3	4.9	1.7	.0	125	.0	13.7
-1	.0	.0	3.3	7.3	7.9	1.8	.0	194	.0	20.4
-2	.0	.1	4.9	4.6	4.1	.0	.0	172	.0	13.7
-3	.0	.2	4.9	3.7	3.9	.4	.0	151	.0	13.1
-4	.0	1.2	5.4	2.3	.6	.0	.0	122	*	9.5
-5	.0	2.9	1.9	1.9	1.0	.0	.0	95	.0	7.7
-6	.1	2.2	.6	.5	.2	.0	.0	56	.0	3.6
-7/-8	.0	1.2	1.0	.2	.0	.0	.0	40	.0	2.3
-9/-10	.1	*	.3	.1	.0	.0	.0	12	.0	.5
-11/-13	*	.1	.0	.0	.0	.0	.0	4	.0	.1
TOTAL								1091		
PCT	.2	8.0	24.5	30.9	27.3	8.9	.2	100.0	*	100.0

PERIOD: (OVER-ALL) 1963-1978

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.7	.4	.0	.0	.0	1.0
1-2	.2	3.2	1.9	.0	.0	.0	5.3
3-4	.0	1.8	3.1	.0	.0	.0	5.0
5-6	.0	.0	2.4	.2	.0	.0	2.6
7	.0	.0	1.5	.3	.0	.0	1.9
8-9	.0	.0	.3	1.0	.0	.0	1.3
10-11	.0	.0	.1	*	.0	.0	.1
12	.0	.0	.0	.1	.0	.0	.1
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.2	5.7	9.7	1.7	.0	.0	17.3

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.6	.0	.0	.0	.0	.6
1-2	*	4.9	1.3	.0	.0	.0	6.3
3-4	.0	1.3	3.5	*	.0	.0	4.9
5-6	.0	.3	2.9	.1	.0	.0	3.3
7	.0	.0	.8	*	.0	.0	.8
8-9	.0	.0	*	*	.0	.0	*
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	*	7.1	8.7	.2	.0	.0	16.0

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	*	1.0	.1	.0	.0	.0	1.1
1-2	.2	6.1	3.4	.0	.0	.0	9.7
3-4	.0	4.3	2.8	.1	.0	.0	7.2
5-6	.0	1.6	2.7	.1	.0	.0	4.4
7	.0	.0	.7	.0	.0	.0	.7
8-9	.0	.0	.0	.1	.0	.0	.1
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.3	13.0	9.6	.3	.0	.0	23.2

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.5	1.0	.1	.0	.0	.0	1.6
1-2	.3	3.4	1.3	.0	.0	.0	5.0
3-4	.0	1.8	3.7	.0	.0	.0	5.5
5-6	.0	.1	1.5	*	.0	.0	1.6
7	.0	.2	.4	.0	.0	.0	.6
8-9	.0	.0	.3	.4	.0	.0	.7
10-11	.0	.0	.0	.6	.0	.0	.6
12	.0	.0	.1	.0	.0	.0	.1
13-16	.0	.0	.0	.3	.0	.0	.3
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.9	6.5	7.3	1.4	.0	.0	16.0

PERIOD: (OVER-ALL) 1963-1978

ANNUAL

TABLE 18 (CONT)

AREA 0020 EASTER ISLAND
27.1S 109.5W

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

	S							SW						
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.4	*	.0	.0	.0	.4	.0	.5	.0	.0	.0	.0	.5
1-2	.0	1.5	.1	.0	.0	.0	1.6	.0	1.5	1.0	.0	.0	.0	2.5
3-4	.0	1.3	1.3	.0	.0	.0	2.7	.0	1.2	.8	.0	.0	.0	2.0
5-6	.0	.2	1.1	.1	.0	.0	1.4	.0	.0	.3	.0	.0	.0	.3
7	.0	.0	*	.0	.0	.0	*	.0	.0	.3	.1	.0	.0	.3
8-9	.0	.0	.0	.2	.0	.0	.2	.0	.0	.0	.3	.0	.0	.3
10-11	.0	.0	*	.0	.0	.0	*	.0	.0	*	.0	.0	.0	*
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	3.5	2.6	.3	.0	.0	6.4	.0	3.2	2.3	.3	.0	.0	5.9

	W							NW							TOTAL
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	PCT
<1	.0	.1	.0	.0	.0	.0	.1	.0	.3	.1	.0	.0	.0	.4	
1-2	.0	.9	.3	.0	.0	.0	1.2	.0	1.9	.3	.0	.0	.0	2.2	
3-4	.0	.7	1.6	.0	.0	.0	2.3	.0	.9	2.1	.1	.0	.0	3.1	
5-6	.0	.0	.5	.0	.0	.0	.5	.0	.0	1.5	.4	.0	.0	1.9	
7	.0	.0	.3	.2	.0	.0	.5	.0	.0	.7	.5	.0	.0	1.2	
8-9	.0	.0	.0	.1	.0	.0	.1	.0	.0	.1	.2	.0	.0	.3	
10-11	.0	.0	.0	.1	.0	.0	.1	.0	.1	.0	.0	.0	.0	.1	
12	.0	.0	.0	.2	.0	.0	.2	.0	.0	.0	.1	.0	.0	.1	
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.0	1.6	2.7	.7	.0	.0	5.0	.0	3.2	4.8	1.3	.0	.0	9.2	98.9

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	1.7	4.5	.7	.0	.0	.0	6.9	
1-2	.8	23.5	9.6	.0	.0	.0	33.8	
3-4	.0	13.4	19.0	.3	.0	.0	32.7	
5-6	.0	2.2	12.8	.9	.0	.0	15.8	
7	.0	.2	4.7	1.1	.0	.0	6.1	
8-9	.0	.0	.7	2.2	.0	.0	2.9	
10-11	.0	.1	.1	.8	.0	.0	1.0	
12	.0	.0	.1	.4	.0	.0	.5	
13-16	.0	.0	.0	.3	.0	.0	.3	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	2.5	43.9	47.7	6.0	.0	.0	100.0	922

PERIOD: (OVER-ALL) 1966-1977

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	.5	8.4	12.3	8.3	5.2	.3	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	387	4
6-7	.0	.8	4.3	9.1	6.2	5.1	2.2	.8	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	305	6
8-9	.0	1.0	1.6	4.8	3.9	3.6	2.0	1.0	1.1	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	131	8
10-11	.0	.0	.2	.7	1.2	1.6	1.0	.2	.6	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	48	9
12-13	.0	.0	2.0	.7	1.5	.2	1.0	.1	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	49	6
>13	.0	.0	.0	.4	.7	.6	.0	.5	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	31	8
INDET	.6	.7	.1	1.3	1.1	.1	.3	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	45	4
TOTAL																				1016	6
PCT	1.1	10.9	20.5	23.6	19.8	11.4	7.4	2.6	2.6	.4	.0	.1	.0	.0	.0	.0	.0	.0	.0	100.0	

PERIOD: (PRIMARY) 1950-1976
(OVER-ALL) 1858-1976

TABLE 20

AREA 0020 EASTER ISLAND
27.1S 109.5W

PERCENT FREQUENCY OF OCCURRENCE OF SEA TEMP (DEG F) BY MONTH

SEA TMP DEG F	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN	PCT
96+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
95/96	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
93/94	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
91/92	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
89/90	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
87/88	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
85/86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
83/84	.0	.0	3.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	2	.2
81/82	.0	5.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3	.3
79/80	5.0	10.3	9.6	2.6	.0	.0	.0	.0	.0	.0	.0	.0	14	1.2
77/78	65.0	32.8	30.8	13.2	.9	.0	.0	.0	.0	.0	.0	6.5	53	4.7
75/76	30.0	44.8	50.0	63.2	14.4	4.3	.7	.0	.0	.0	.0	22.6	131	11.5
73/74	15.0	3.4	5.8	18.4	49.5	12.2	.0	.0	.0	2.2	9.1	41.9	121	10.6
71/72	.0	1.7	.0	2.6	35.1	70.5	12.6	2.1	.6	17.4	63.6	29.0	281	24.7
69/70	5.0	1.7	.0	.0	.0	10.6	76.2	79.7	72.3	10.9	22.7	.0	380	33.4
67/68	.0	.0	.0	.0	.0	2.4	7.0	17.5	23.2	68.5	4.5	.0	141	12.4
65/66	.0	.0	.0	.0	.0	.0	3.5	.7	1.9	1.1	.0	.0	10	.9
63/64	.0	.0	.0	.0	.0	.0	.0	.0	1.9	.0	.0	.0	3	.3
61/62	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
59/60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
57/58	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
55/56	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
53/54	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
51/52	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
49/50	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
47/48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
45/46	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
43/44	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
41/42	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
39/40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
37/38	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
35/36	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
33/34	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
31/32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
29/30	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
27/28	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
<27	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
TOTAL	40	58	52	38	111	254	143	143	155	92	22	31	1139	100.0
MEAN	75.5	76.6	76.7	75.4	73.0	71.5	69.5	69.0	68.6	68.8	70.9	73.5	72.4	

TABLE 21

PRESSURE (MB)

AVERAGE BY HOUR (GMT)

MO	0000	0300	0600	0900	1200	1500	1800	2100	MEAN	TOTAL OBS
JAN	1020	1019	1019	1019	1018	1019	1020		1019	43
FEB	1020	1021	1021		1019		1022		1020	55
MAR	1019	1019	1020		1019		1022		1020	60
APR	1018		1017		1015		1017		1017	34
MAY	1017	1013	1017		1017	1014	1019		1017	106
JUN	1023		1024		1023		1025		1024	245
JUL	1017		1019		1018		1019		1018	137
AUG	1018	1023	1020		1019	1019	1021		1019	143
SEP	1020		1022		1020		1022		1021	154
OCT	1020	1022	1023	1024	1021	1025	1023	1022	1022	103
NOV	1021	1023	1023		1022	1022	1021		1021	27
DEC	1018	1019	1022	1020	1019		1019		1019	29
ANN	1019	1020	1021	1021	1019	1020	1021	1022	1020	1136
OBS	286	17	276	9	258	14	273	3		

PERCENTILES

MO	MIN	1%	5%	25%	50%	75%	95%	99%	MAX
JAN	1012	1012	1012	1016	1019	1023	1024	1024	1025
FEB	1013	1013	1015	1018	1021	1023	1025	1025	1026
MAR	1012	1012	1013	1018	1020	1022	1024	1024	1025
APR	1005	1005	1007	1016	1017	1019	1023	1023	1024
MAY	1005	1005	1008	1015	1018	1020	1024	1026	1027
JUN	1005	1007	1014	1020	1025	1028	1031	1031	1032
JUL	1002	1002	1004	1015	1019	1022	1026	1028	1029
AUG	1007	1009	1013	1016	1020	1022	1025	1028	1029
SEP	1006	1007	1014	1019	1022	1024	1028	1030	1031
OCT	1013	1013	1017	1021	1022	1024	1026	1027	1028
NOV	1013	1013	1017	1019	1021	1024	1025	1025	1026
DEC	1010	1010	1013	1017	1019	1023	1023	1023	1024

JANUARY

PERIOD: (PRIMARY) 1910-1978
(OVER-ALL) 1855-1978

AREA 0021 AMBROSIO AND FELIX ISLS.
25.5S 79.5W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

	PRECIPITATION TYPE									OTHER WEATHER PHENOMENA					
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG	DUST SNOW BLWG	NO SIG WEA
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
E	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
SE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
TOT OBS:	30															

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

	PRECIPITATION TYPE									OTHER WEATHER PHENOMENA					
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG	DUST SNOW BLWG	NO SIG WEA
00&03	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
06&09	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
12&15	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
18&21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
TOT OBS:	30															

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	WIND SPEED (KNOTS)									HOUR (GMT)							
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	.4	.0	.0	.0	.0	.0		.4	2.0	.0	.0	.0	.0	.0	.0	.0	1.5
NE	.4	.0	.0	.0	.0	.0		.4	2.0	.0	.0	.0	.0	.0	.0	.0	1.5
E	.8	1.3	1.3	.0	.0	.0		3.3	9.6	.0	.0	.0	5.6	18.8	.0	7.7	2.3
SE	4.2	26.9	30.4	4.2	.0	.0		65.6	11.6	83.3	100.0	79.5	55.6	81.3	66.7	55.8	57.6
S	1.9	13.5	6.3	.0	.0	.0		21.7	9.8	16.7	.0	20.5	25.9	.0	33.3	26.9	20.5
SW	2.3	1.7	.4	.0	.0	.0		4.4	4.5	.0	.0	.0	5.6	.0	.0	1.9	10.6
W	.0	.8	.0	.0	.0	.0		.8	5.0	.0	.0	.0	.0	.0	.0	.0	3.0
NW	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	3.3							3.3	.0	.0	.0	.0	7.4	.0	.0	7.7	3.0
TOT OBS	16	53	46	5	0	0	120		10.3	6	1	33	27	4	3	13	33
TOT PCT	13.3	44.2	38.3	4.2	.0	.0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

	WIND SPEED (KNOTS)								HOUR (GMT)			
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	06 09	12 15	18 21
N	.4	.0	.0	.0	.0		.4	2.0	.0	.0	.0	1.1
NE	.4	.0	.0	.0	.0		.4	2.0	.0	.0	.0	1.1
E	.8	1.9	.6	.0	.0		3.3	9.6	.0	2.5	10.7	3.8
SE	14.6	36.3	14.8	.0	.0		65.6	11.6	85.7	68.8	75.0	57.1
S	4.4	14.4	2.9	.0	.0		21.7	9.8	14.3	22.9	14.3	22.3
SW	3.5	.8	.0	.0	.0		4.4	4.5	.0	2.5	.0	8.2
W	.8	.0	.0	.0	.0		.8	5.0	.0	.0	.0	2.2
NW	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	3.3						3.3	.0	.0	3.3	.0	4.3
TOT OBS	34	64	22	0	0	120		10.3	7	60	7	46
TOT PCT	28.3	53.3	18.3	.0	.0		100.0		100.0	100.0	100.0	100.0

PERIOD: (PRIMARY) 1910-1978
(OVER-ALL) 1855-1978

AREA 0021 AMBROSIO AND FELIX ISLS.
25.5S 79.5W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	1-3	4-10	WIND SPEED (KNOTS) 11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00&03	.0	.0	14.3	71.4	14.3	.0	.0	15.0	100.0	7
06&09	3.3	10.0	46.7	36.7	3.3	.0	.0	10.2	100.0	60
12&15	.0	.0	42.9	57.1	.0	.0	.0	10.8	100.0	7
18&21	4.3	13.0	45.7	32.6	4.3	.0	.0	9.8	100.0	46
TOT	4	12	53	46	5	0	0	10.3		120
PCT	3.3	10.0	44.2	38.3	4.2	.0	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	.0	.0	.0	.0		.0
NE	.0	.0	.0	.0		.0
E	.0	.0	.0	2.7		8.0
SE	11.6	7.1	40.2	8.9		5.5
S	6.3	3.6	6.3	9.8		5.1
SW	.0	.0	.0	.0		.0
W	.0	.0	.0	.0		.0
NW	.0	.0	.0	.0		.0
VAR	.0	.0	.0	.0		.0
CALM	.0	3.6	.0	.0		4.0
TOT OBS	5	4	13	6	28	5.4
TOT PCT	17.9	14.3	46.4	21.4	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT,NH >4/8) AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

WND DIR	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	TOTAL OBS
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
E	.0	.0	.0	.0	2.7	.0	.0	.0	.0	.0	.0	
SE	.0	.0	.0	.0	30.4	15.2	.0	.0	.0	.0	22.3	
S	.0	.0	.0	.0	6.3	2.7	.0	.0	3.6	.0	13.4	
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.6	
TOT OBS	0	0	0	0	11	5	0	0	1	0	11	28
TOT PCT	.0	.0	.0	.0	39.3	17.9	.0	.0	3.6	.0	39.3	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) * OR >10	* OR >5	* OR >2	* OR >1	* OR >1/2	* OR >1/4	* OR >50YD	* OR >0
* OR >6500	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6
* OR >5000	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6
* OR >3500	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6
* OR >2000	21.4	21.4	21.4	21.4	21.4	21.4	21.4	21.4
* OR >1000	53.6	60.7	60.7	60.7	60.7	60.7	60.7	60.7
* OR >600	53.6	60.7	60.7	60.7	60.7	60.7	60.7	60.7
* OR >300	53.6	60.7	60.7	60.7	60.7	60.7	60.7	60.7
* OR >150	53.6	60.7	60.7	60.7	60.7	60.7	60.7	60.7
* OR > 0	53.6	60.7	60.7	60.7	60.7	60.7	60.7	60.7
TOTAL	15	17	17	17	17	17	17	17

TOTAL NUMBER OF OBS: 28

PCT FREQ NH <5/8: 39.3

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	OBSCD	TOTAL OBS
.0	13.3	16.7	13.3	.0	13.3	13.3	20.0	10.0	.0	30

JANUARY

PERIOD: (PRIMARY) 1910-1978
(OVER-ALL) 1855-1978

AREA 0021 AMBROSIO AND FELIX ISLS,
25.5S 79.5W

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
5<10	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	6.7	.0	.0	.0	.0	.0	.0	6.7	
	TOT %	.0	.0	.0	6.7	.0	.0	.0	.0	.0	.0	6.7	
10+	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	2.5	63.3	24.2	.0	.0	.0	.0	3.3	93.3	
	TOT %	.0	.0	2.5	63.3	24.2	.0	.0	.0	.0	3.3	93.3	
	TOT OBS												30
	TOT PCT	.0	.0	2.5	70.0	24.2	.0	.0	.0	.0	3.3	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
5<10	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	6.7	.0	.0	.0	.0	.0		6.7	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	6.7	.0	.0	.0	.0	.0	.0	6.7	
10+	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.3	3.3	
	4-10	.0	.0	.0	14.2	15.8	.0	.0	.0	.0		30.0	
	11-21	.0	.0	2.5	39.2	8.3	.0	.0	.0	.0		50.0	
	22+	.0	.0	.0	10.0	.0	.0	.0	.0	.0		10.0	
	TOT %	.0	.0	2.5	63.3	24.2	.0	.0	.0	.0	3.3	93.3	
	TOT OBS												30
	TOT PCT	.0	.0	2.5	70.0	24.2	.0	.0	.0	.0	3.3	100.0	

PERIOD: (PRIMARY) 1910-1978
(OVER-ALL) 1855-1978

AREA 0021 AMBROSIO AND FELIX ISLS, 25.5S 79.5W

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET,NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00&03	.0	.0	.0	.0	42.9	28.6	.0	.0	.0	.0	71.4	28.6	7
06&09	.0	.0	.0	.0	.0	50.0	.0	.0	.0	.0	50.0	50.0	4
12&15	.0	.0	.0	.0	57.1	14.3	.0	.0	.0	.0	71.4	28.6	7
18&21	.0	.0	.0	.0	33.3	.0	.0	.0	8.3	.0	41.7	58.3	12
TOT	0	0	0	0	11	5	0	0	1	0	17	13	30
PCT	.0	.0	.0	.0	36.7	16.7	.0	.0	3.3	.0	56.7	43.3	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00&03	.0	.0	.0	.0	.0	100.0	7
06&09	.0	.0	.0	.0	.0	100.0	4
12&15	.0	.0	.0	.0	14.3	85.7	7
18&21	.0	.0	.0	.0	8.3	91.7	12
TOT	0	0	0	0	2	28	30
PCT	.0	.0	.0	.0	6.7	93.3	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET,NM >4/8),BY HOUR

HOUR (GMT)	<150 <3OYD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL OBS
00&03	.0	.0	.0	71.4	28.6	7
06&09	.0	.0	.0	66.7	33.3	3
12&15	.0	.0	.0	83.3	16.7	6
18&21	.0	.0	.0	41.7	58.3	12
TOT	0	0	0	17	11	28
PCT	.0	.0	.0	60.7	39.3	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
75/79	.0	.0	.0	.0	.0	3.6	.0	.0	1	3.6
70/74	.0	.0	.0	.0	14.3	21.4	.0	3.6	11	39.3
65/69	.0	.0	.0	.0	7.1	28.6	14.3	.0	14	50.0
60/64	.0	.0	.0	.0	.0	3.6	3.6	.0	2	7.1
TOTAL	0	0	0	0	6	16	5	1	28	100.0
PCT	.0	.0	.0	.0	21.4	57.1	17.9	3.6		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

	N	NE	E	SE	S	SW	W	NW	VAR	CALM
	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.6
	.0	.0	.0	32.1	7.1	.0	.0	.0	.0	.0
	.0	.0	.0	42.0	8.0	.0	.0	.0	.0	.0
	.0	.0	2.7	.9	3.6	.0	.0	.0	.0	.0
	.0	.0	2.7	75.0	18.8	.0	.0	.0	.0	3.6

TABLE 15

MEANS,EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00&03	74	73	73	69	66	66	66	69.4	7
06&09	71	70	70	67	63	63	63	66.8	59
12&15	72	71	71	68	64	64	64	68.3	7
18&21	77	76	76	69	66	65	65	70.0	42
TOT	77	76	74	68	65	63	63	68.2	115

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00&03	.0	.0	16.7	66.7	16.7	.0	74	6
06&09	.0	.0	.0	75.0	25.0	.0	76	4
12&15	.0	.0	42.9	.0	42.9	14.3	78	7
18&21	.0	.0	18.2	81.8	.0	.0	73	11
TOT	0	0	6	16	5	1	75	28

JANUARY

PERIOD: (PRIMARY) 1910-1978
(OVER-ALL) 1855-1978

AREA 0021 AMBROSIO AND FELIX ISLS.
25.5S 79.5W

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	61 64	65 68	69 72	73 76	77 80	TOT	W FOG	WO FOG
7/8	.0	.0	.0	3.3	.0	1	.0	3.3
6	.0	.0	.0	3.3	.0	1	.0	3.3
4	.0	.0	6.7	3.3	.0	3	.0	10.0
3	.0	.0	3.3	.0	.0	1	.0	3.3
2	.0	6.7	.0	.0	.0	2	.0	6.7
1	.0	13.3	3.3	.0	3.3	6	.0	20.0
0	.0	10.0	3.3	.0	.0	4	.0	13.3
-1	3.3	3.3	16.7	.0	.0	7	.0	23.3
-2	3.3	3.3	3.3	.0	.0	3	.0	10.0
-3	.0	.0	6.7	.0	.0	2	.0	6.7
TOTAL	2	11	13	3	1	30	0	30
PCT	6.7	36.7	43.3	10.0	3.3	100.0		100.0

PERIOD: (OVER-ALL) 1963-1978

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	3.9	.0	.0	.0	3.9
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	3.9	.0	.0	.0	3.9

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	5.3	.0	.0	.0	5.3
1-2	.0	10.5	35.5	.0	.0	.0	46.1
3-4	.0	11.8	5.3	.0	.0	.0	17.1
5-6	.0	.0	10.5	.0	.0	.0	10.5
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	22.4	56.6	.0	.0	.0	78.9

PERIOD: (OVER-ALL) 1963-1978 JANUARY AREA 0021 AMBROSIO AND FELIX ISLS. 25.5S 79.5W

TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

S

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	7.9	.0	.0	.0	7.9
3-4	.0	3.9	5.3	.0	.0	.0	9.2
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	3.9	13.2	.0	.0	.0	17.1

SW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0

W

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0

NW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	.0	.0	.0	.0	.0	.0	.0	
1-2	.0	.0	.0	.0	.0	.0	.0	
3-4	.0	.0	.0	.0	.0	.0	.0	
5-6	.0	.0	.0	.0	.0	.0	.0	
7	.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.0	.0	.0	.0	.0	.0	.0	100.0

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	.0	.0	5.3	.0	.0	.0	5.3	
1-2	.0	10.5	47.4	.0	.0	.0	57.9	
3-4	.0	15.8	10.5	.0	.0	.0	26.3	
5-6	.0	.0	10.5	.0	.0	.0	10.5	
7	.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.0	26.3	73.7	.0	.0	.0	100.0	19

PERIOD: (OVER-ALL) 1960-1978

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	.0	4.3	4.3	4.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3	3
6-7	.0	.0	8.7	8.7	4.3	.0	.0	.0	4.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6	6
8-9	.0	13.0	4.3	8.7	.0	.0	8.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	8	5
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
12-13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
>13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
INDET	4.3	4.3	13.0	4.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6	3
TOTAL	1	5	7	6	1	0	2	0	1	0	0	0	0	0	0	0	0	0	0	23	4
PCT	4.3	21.7	30.4	26.1	4.3	.0	8.7	.0	4.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

FEBRUARY

PERIOD: (PRIMARY) 1913-1978
(OVER-ALL) 1890-1978

AREA 0021 AMBROSIO AND FELIX ISLS.
25.7S 79.5W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

	PRECIPITATION TYPE									OTHER WEATHER PHENOMENA					
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
E	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
SE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
TOT OBS:	19															

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

	PRECIPITATION TYPE									OTHER WEATHER PHENOMENA					
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
00&03	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
06&09	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
12&15	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
18&21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
TOT OBS:	19															

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	WIND SPEED (KNOTS)									HOUR (GMT)							
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NE	.0	.0	2.0	.0	.0	.0		2.0	20.0	.0	.0	.0	.0	16.7	.0	.0	.0
E	1.5	6.0	.0	.0	.0	.0		7.5	5.4	.0	.0	.0	10.7	12.5	.0	15.0	7.5
SE	.5	28.5	34.0	.0	.0	.0		63.0	11.9	41.7	.0	71.4	60.7	70.8	.0	55.0	62.5
S	.0	11.5	10.0	.0	.0	.0		21.5	11.3	58.3	.0	14.3	28.6	.0	.0	20.0	30.0
SW	2.5	2.0	.0	.0	.0	.0		4.5	3.4	.0	.0	8.9	.0	.0	.0	10.0	.0
W	1.5	.0	.0	.0	.0	.0		1.5	3.0	.0	.0	5.4	.0	.0	.0	.0	.0
NW	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0							.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT OBS	3	24	23	0	0	0	50		11.0	3	0	14	7	6	0	10	10
TOT PCT	6.0	48.0	46.0	.0	.0	.0		100.0		100.0	.0	100.0	100.0	100.0	.0	100.0	100.0

TABLE 3A

	WIND SPEED (KNOTS)								HOUR (GMT)			
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	06 09	12 15	18 21
N	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
NE	.0	.0	2.0	.0	.0		2.0	20.0	.0	.0	16.7	.0
E	6.0	1.5	.0	.0	.0		7.5	5.4	.0	3.6	12.5	11.3
SE	12.0	35.0	16.0	.0	.0		63.0	11.9	41.7	67.9	70.8	58.8
S	.0	19.5	2.0	.0	.0		21.5	11.3	58.3	19.0	.0	25.0
SW	4.5	.0	.0	.0	.0		4.5	3.4	.0	6.0	.0	5.0
W	1.5	.0	.0	.0	.0		1.5	3.0	.0	3.6	.0	.0
NW	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	.0						.0	.0	.0	.0	.0	.0
TOT OBS	12	28	10	0	0	50		11.0	3	21	6	20
TOT PCT	24.0	56.0	20.0	.0	.0		100.0		100.0	100.0	100.0	100.0

PERIOD: (PRIMARY) 1913-1978
(OVER-ALL) 1890-1978

AREA 0021 AMBROSIO AND FELIX ISLS.
25.7S 79.5W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS) 1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00&03	.0	.0	66.7	33.3	.0	.0	.0	13.0	100.0	3
06&09	.0	14.3	42.9	42.9	.0	.0	.0	10.3	100.0	21
12&15	.0	.0	16.7	83.3	.0	.0	.0	15.1	100.0	6
18&21	.0	.0	60.0	40.0	.0	.0	.0	10.1	100.0	20
TOT	0	3	24	23	0	0	0	11.0		50
PCT	.0	6.0	48.0	46.0	.0	.0	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	.0	.0	.0	.0		.0
NE	.0	.0	.0	6.3		8.0
E	.0	.0	.0	4.7		8.0
SE	12.5	.0	20.3	66.6		5.8
S	12.5	.0	10.9	.0		3.8
SW	6.3	.0	.0	.0		1.0
W	.0	.0	.0	.0		.0
NW	.0	.0	.0	.0		.0
VAR	.0	.0	.0	.0		.0
CALM	.0	.0	.0	.0		.0
TOT OBS	5	0	5	6	16	5.3
TOT PCT	31.3	.0	31.3	37.5	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT,NH >4/8) AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

WND DIR	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	TOTAL OBS
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
NE	.0	.0	.0	.0	6.3	.0	.0	.0	.0	.0	.0	
E	.0	.0	.0	.0	4.7	.0	.0	.0	.0	.0	.0	
SE	.0	.0	.0	18.8	14.1	12.5	.0	.0	.0	.0	14.1	
S	.0	.0	.0	.0	6.3	.0	.0	.0	.0	.0	17.2	
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.3	
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT OBS	0	0	0	3	5	2	0	0	0	0	6	16
TOT PCT	.0	.0	.0	18.8	31.3	12.5	.0	.0	.0	.0	37.5	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) = OR >10	= OR >5	= OR >2	= OR >1	= OR >1/2	= OR >1/4	= OR >30YD	= OR >0
= OR >6500	.0	.0	.0	.0	.0	.0	.0	.0
= OR >5000	.0	.0	.0	.0	.0	.0	.0	.0
= OR >3500	.0	.0	.0	.0	.0	.0	.0	.0
= OR >2000	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5
= OR >1000	37.5	43.8	43.8	43.8	43.8	43.8	43.8	43.8
= OR >600	56.3	62.5	62.5	62.5	62.5	62.5	62.5	62.5
= OR >300	56.3	62.5	62.5	62.5	62.5	62.5	62.5	62.5
= OR >150	56.3	62.5	62.5	62.5	62.5	62.5	62.5	62.5
= OR > 0	56.3	62.5	62.5	62.5	62.5	62.5	62.5	62.5
TOTAL	9	10	10	10	10	10	10	10

TOTAL NUMBER OF OBS: 16

PCT FREQ NH <5/8: 37.5

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8 OBSCD	TOTAL OBS
12.5	18.8	6.3	.0	.0	6.3	12.5	12.5	31.3	.0	16

FEBRUARY

PERIOD: (PRIMARY) 1913-1978
(OVER-ALL) 1890-1978

TABLE 8

AREA 0021 AMBROSIO AND FELIX ISLS.
25.7S 79.5W

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
5<10	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	5.9	.0	.0	.0	.0	.0	5.9	
	TOT %	.0	.0	.0	.0	5.9	.0	.0	.0	.0	.0	5.9	
10+	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	5.9	4.4	55.9	16.2	7.4	4.4	.0	.0	.0	94.1	
	TOT %	.0	5.9	4.4	55.9	16.2	7.4	4.4	.0	.0	.0	94.1	
	TOT OBS												17
	TOT PCT	.0	5.9	4.4	55.9	22.1	7.4	4.4	.0	.0	.0	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
5<10	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	5.9	.0	.0	.0	.0		5.9	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	5.9	.0	.0	.0	.0	.0	5.9	
10+	0-3	.0	.0	.0	.0	.0	1.5	4.4	.0	.0	.0	5.9	
	4-10	.0	.0	4.4	20.6	16.2	5.9	.0	.0	.0		47.1	
	11-21	.0	5.9	.0	35.3	.0	.0	.0	.0	.0		41.2	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	5.9	4.4	55.9	16.2	7.4	4.4	.0	.0	.0	94.1	
	TOT OBS												17
	TOT PCT	.0	5.9	4.4	55.9	22.1	7.4	4.4	.0	.0	.0	100.0	

PERIOD: (PRIMARY) 1913-1978
(OVER-ALL) 1890-1978

AREA 0021 AMBROSIO AND FELIX ISLS.
25.7S 79.5W

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET,NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00&03	.0	.0	.0	33.3	.0	.0	.0	.0	.0	.0	33.3	66.7	3
06&09	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	2
12&15	.0	.0	.0	20.0	60.0	20.0	.0	.0	.0	.0	100.0	.0	5
18&21	.0	.0	.0	16.7	33.3	16.7	.0	.0	.0	.0	66.7	33.3	6
TOT	0	0	0	3	5	2	0	0	0	0	10	6	16
PCT	.0	.0	.0	18.8	31.3	12.5	.0	.0	.0	.0	62.5	37.5	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00&03	.0	.0	.0	.0	.0	100.0	3
06&09	.0	.0	.0	.0	.0	100.0	3
12&15	.0	.0	.0	.0	.0	100.0	5
18&21	.0	.0	.0	.0	16.7	83.3	6
TOT	0	0	0	0	1	16	17
PCT	.0	.0	.0	.0	5.9	94.1	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET,NH >4/8), BY HOUR

HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL OBS
00&03	.0	.0	33.3	.0	66.7	3
06&09	.0	.0	.0	.0	100.0	2
12&15	.0	.0	20.0	80.0	.0	5
18&21	.0	.0	16.7	50.0	33.3	6
TOT	0	0	3	7	6	16
PCT	.0	.0	18.8	43.8	37.5	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
70/74	.0	.0	.0	5.9	11.8	17.6	5.9	5.9	8	47.1
65/69	.0	.0	.0	.0	11.8	17.6	23.5	.0	9	52.9
TOTAL	0	0	0	1	4	6	5	1	17	100.0
PCT	.0	.0	.0	5.9	23.5	35.3	29.4	5.9		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

	N	NE	E	SE	S	SW	W	NW	VAR	CALM
	.0	5.9	.0	19.1	16.2	5.9	.0	.0	.0	.0
	.0	.0	4.4	42.6	5.9	.0	.0	.0	.0	.0
	.0	5.9	4.4	61.8	22.1	5.9	.0	.0	.0	.0

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00&03	74	73	73	69	68	68	68	70.3	3
06&09	72	71	70	68	64	64	64	67.8	21
12&15	72	71	71	69	66	66	66	68.8	6
18&21	75	74	74	70	67	67	67	70.8	19
TOT	75	74	74	69	66	64	64	69.3	49

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00&03	.0	.0	.0	66.7	33.3	.0	78	3
06&09	.0	.0	.0	.0	100.0	.0	88	3
12&15	.0	.0	.0	60.0	20.0	20.0	78	5
18&21	.0	16.7	66.7	16.7	.0	.0	66	6
TOT	0	1	4	6	5	1	75	17

FEBRUARY

PERIOD: (PRIMARY) 1913-1978
(OVER-ALL) 1890-1978

TABLE 17

AREA 0021 AMBROSIO AND FELIX ISLS.
25.7S 79.5W

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	65 68	69 72	73 76	TOT	W FOG	WO FOG
5	.0	.0	5.9	1	.0	5.9
4	.0	.0	5.9	1	.0	5.9
3	5.9	.0	5.9	2	.0	11.8
2	.0	5.9	.0	1	.0	5.9
1	5.9	5.9	.0	2	.0	11.8
0	5.9	5.9	.0	2	.0	11.8
-1	.0	11.8	.0	2	.0	11.8
-2	5.9	.0	.0	1	.0	5.9
-3	.0	11.8	.0	2	.0	11.8
-6	5.9	.0	.0	1	.0	5.9
-9/-10	5.9	.0	.0	1	.0	5.9
-11/-13	5.9	.0	.0	1	.0	5.9
TOTAL	7	7	3	17	0	17
PCT	41.2	41.2	17.6	100.0		100.0

PERIOD: (OVER-ALL) 1963-1978

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	7.7	.0	.0	.0	.0	7.7
3-4	.0	9.6	.0	.0	.0	.0	9.6
5-6	.0	9.6	23.1	.0	.0	.0	32.7
7	.0	.0	7.7	.0	.0	.0	7.7
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	17.3	30.8	.0	.0	.0	48.1

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	5.8	.0	.0	.0	.0	5.8
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	5.8	.0	.0	.0	.0	5.8

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	26.9	30.8	.0	.0	.0	57.7

PERIOD: (OVER-ALL) 1963-1978 FEBRUARY AREA 0021 AMBROSIO AND FELIX ISLS. 25.7S 79.5W

TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

	S							SW						
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	7.7	7.7	.0	.0	.0	15.4	.0	7.7	.0	.0	.0	.0	7.7
3-4	.0	7.7	.0	.0	.0	.0	7.7	.0	.0	.0	.0	.0	.0	.0
5-6	.0	5.8	.0	.0	.0	.0	5.8	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	21.2	7.7	.0	.0	.0	28.8	.0	7.7	.0	.0	.0	.0	7.7

	W							NW							TOTAL
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	PCT
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	.0	.0	.0	.0	.0	.0	.0	
1-2	.0	23.1	7.7	.0	.0	.0	30.8	
3-4	.0	23.1	.0	.0	.0	.0	23.1	
5-6	.0	15.4	23.1	.0	.0	.0	38.5	
7	.0	.0	7.7	.0	.0	.0	7.7	
8-9	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.0	61.5	38.5	.0	.0	.0	100.0	13

PERIOD: (OVER-ALL) 1959-1978 TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	.0	.0	6.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	3
6-7	.0	.0	.0	31.3	6.3	6.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7	6
8-9	.0	.0	.0	.0	6.3	6.3	18.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5	9
10-11	.0	.0	.0	.0	.0	.0	6.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	10
12-13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
>13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
INDET	.0	.0	.0	.0	.0	.0	.0	12.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2	11
TOTAL	0	0	1	5	2	2	4	2	0	0	0	0	0	0	0	0	0	0	0	16	8
PCT	.0	.0	6.3	31.3	12.5	12.5	25.0	12.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

MARCH

PERIOD: (PRIMARY) 1912-1970
(OVER-ALL) 1908-1970

AREA 0021 AMBROSIO AND FELIX ISLS.
25.7S 79.7W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG	DUST BLWG SNOW	NO SIG WEA
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0
NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0
E	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	100.0
SE	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.8	.0	.0	.0		.0	96.2
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	100.0
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.6	.0	.0	.0		.0	97.4
TOT OBS:	39															

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG	DUST BLWG SNOW	NO SIG WEA
00603	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	100.0
06609	.0	.0	.0	.0	.0	.0	.0	.0	.0	12.5	.0	.0	.0		.0	87.5
12615	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	100.0
18621	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	100.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.6	.0	.0	.0		.0	97.4
TOT OBS:	39															

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	WIND SPEED (KNOTS)									HOUR (GMT)							
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NE	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
E	.0	1.1	1.4	1.1	.0	.0		3.6	15.5	.0	.0	3.8	.0	10.0	.0	6.3	.0
SE	1.4	21.0	48.2	1.8	.0	.0		72.5	12.6	62.5	100.0	77.5	66.7	70.0	.0	68.8	80.0
S	.0	18.5	4.0	.0	.0	.0		22.5	7.8	37.5	.0	18.8	33.3	20.0	.0	25.0	10.0
SW	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
W	.0	.7	.0	.0	.0	.0		.7	5.0	.0	.0	.0	.0	.0	.0	.0	5.0
NW	.0	.7	.0	.0	.0	.0		.7	5.0	.0	.0	.0	.0	.0	.0	.0	5.0
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0							.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT OBS	1	29	37	2	0	0	69		11.5	10	1	20	6	10	0	12	10
TOT PCT	1.4	42.0	53.6	2.9	.0	.0		100.0		100.0	100.0	100.0	100.0	100.0	.0	100.0	100.0

TABLE 3A

	WIND SPEED (KNOTS)								HOUR (GMT)			
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	06 09	12 15	18 21
N	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
NE	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
E	1.1	.0	2.5	.0	.0		3.6	15.5	.0	2.9	10.0	3.4
SE	10.5	45.3	16.7	.0	.0		72.5	12.6	65.9	75.0	70.0	73.9
S	13.0	6.9	2.5	.0	.0		22.5	7.8	34.1	22.1	20.0	18.2
SW	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
W	.7	.0	.0	.0	.0		.7	5.0	.0	.0	.0	2.3
NW	.7	.0	.0	.0	.0		.7	5.0	.0	.0	.0	2.3
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	.0						.0	.0	.0	.0	.0	.0
TOT OBS	18	36	15	0	0	69		11.5	11	26	10	22
TOT PCT	26.1	52.2	21.7	.0	.0		100.0		100.0	100.0	100.0	100.0

PERIOD: (PRIMARY) 1912-1976
(OVER-ALL) 1908-1976

AREA 0021 AMBROSIO AND FELIX ISLS.
25.7S 79.7W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS) 1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00&03	.0	.0	36.4	63.6	.0	.0	.0	12.1	100.0	11
06&09	.0	.0	38.5	57.7	3.8	.0	.0	12.5	100.0	26
12&15	.0	.0	30.0	60.0	10.0	.0	.0	14.3	100.0	10
18&21	.0	4.5	54.5	40.9	.0	.0	.0	8.8	100.0	22
TOT	0	1	29	37	2	0	0	11.5		69
PCT	.0	1.4	42.0	53.6	2.9	.0	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	.0	.0	.0	.0		.0
NE	.0	.0	.0	.0		.0
E	.0	.0	.0	2.9		8.0
SE	3.6	11.4	20.7	34.3		6.4
S	5.0	.0	2.1	20.0		6.8
SW	.0	.0	.0	.0		.0
W	.0	.0	.0	.0		.0
NW	.0	.0	.0	.0		.0
VAR	.0	.0	.0	.0		.0
CALM	.0	.0	.0	.0		.0
TOT OBS	3	4	8	20	35	6.5
TOT PCT	8.6	11.4	22.9	57.1	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT,NH >4/8) AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

000 149	150 299	300 599	600 999	1000 1999	2000 2499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	TOTAL OBS
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
.0	.0	.0	.0	.0	2.9	.0	.0	.0	.0	.0	
.0	.7	.0	5.7	11.4	20.0	2.9	.0	.0	5.7	28.6	
.0	2.1	.0	8.6	11.4	.0	.0	.0	.0	.0	5.0	
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
0	1	0	3	8	8	1	0	0	2	10	35
.0	2.9	.0	14.3	22.9	22.9	2.9	.0	.0	5.7	28.6	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) * OR >10	* OR >5	* OR >2	* OR >1	* OR >1/2	* OR >1/4	* OR >50YD	* OR >0
* OR >6500	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
* OR >5000	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
* OR >3500	5.7	8.6	8.6	8.6	8.6	8.6	8.6	8.6
* OR >2000	17.1	31.4	31.4	31.4	31.4	31.4	31.4	31.4
* OR >1000	37.1	54.3	54.3	54.3	54.3	54.3	54.3	54.3
* OR >600	51.4	68.6	68.6	68.6	68.6	68.6	68.6	68.6
* OR >300	51.4	68.6	68.6	68.6	68.6	68.6	68.6	68.6
* OR >150	51.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
* OR > 0	51.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
TOTAL	18	25	25	25	25	25	25	25

TOTAL NUMBER OF OBS: 35

PCT FREQ NH <5/8: 28.6

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8 OBSCD	TOTAL OBS
.0	.0	15.8	13.2	2.6	7.9	5.3	10.5	44.7	.0	38

MARCH

PERIOD: (PRIMARY) 1912-1976
(OVER-ALL) 1908-1976

AREA 0021 AMBROSIO AND FELIX ISLS.
25.7S 79.7W

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
5<10	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	2.6	18.6	1.9	.0	.0	.0	.0	.0	23.1	
	TOT %	.0	.0	2.6	18.6	1.9	.0	.0	.0	.0	.0	23.1	
10+	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	49.4	27.6	.0	.0	.0	.0	.0	76.9	
	TOT %	.0	.0	.0	49.4	27.6	.0	.0	.0	.0	.0	76.9	
	TOT OBS												39
	TOT PCT	.0	.0	2.6	67.9	29.5	.0	.0	.0	.0	.0	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
5<10	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	3.2	1.9	.0	.0	.0	.0		5.1	
	11-21	.0	.0	2.6	15.4	.0	.0	.0	.0	.0		17.9	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	2.6	18.6	1.9	.0	.0	.0	.0	.0	23.1	
10+	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	10.3	20.5	.0	.0	.0	.0		30.8	
	11-21	.0	.0	.0	36.5	7.1	.0	.0	.0	.0		43.6	
	22+	.0	.0	.0	2.6	.0	.0	.0	.0	.0		2.6	
	TOT %	.0	.0	.0	49.4	27.6	.0	.0	.0	.0	.0	76.9	
	TOT OBS												39
	TOT PCT	.0	.0	2.6	67.9	29.5	.0	.0	.0	.0	.0	100.0	

PERIOD: (PRIMARY) 1912-1976
(OVER-ALL) 1908-1976

AREA 0021 AMBROSIO AND FELIX ISLS.
25.7S 79.7W

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET,NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00&03	.0	9.1	.0	27.3	18.2	18.2	.0	.0	.0	.0	72.7	27.3	11
06&09	.0	.0	.0	.0	28.6	.0	14.3	.0	.0	28.6	71.4	28.6	7
12&15	.0	.0	.0	.0	20.0	40.0	.0	.0	.0	.0	60.0	40.0	10
18&21	.0	.0	.0	22.2	22.2	22.2	.0	.0	.0	.0	66.7	33.3	9
TOT	0	1	0	5	8	8	1	0	0	2	25	12	37
PCT	.0	2.7	.0	13.5	21.6	21.6	2.7	.0	.0	5.4	67.6	32.4	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00&03	.0	.0	.0	.0	27.3	72.7	11
06&09	.0	.0	.0	.0	25.0	75.0	8
12&15	.0	.0	.0	.0	30.0	70.0	10
18&21	.0	.0	.0	.0	10.0	90.0	10
TOT	0	0	0	0	9	30	39
PCT	.0	.0	.0	.0	23.1	76.9	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET,NH >4/8), BY HOUR

HOUR (GMT)	<150 <5000	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL OBS
00&03	.0	9.1	36.4	36.4	27.3	11
06&09	.0	.0	.0	71.4	28.6	7
12&15	.0	.0	.0	66.7	33.3	9
18&21	.0	.0	25.0	50.0	25.0	8
TOT	0	1	6	19	10	35
PCT	.0	2.9	17.1	54.3	28.6	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
70/74	.0	.0	.0	5.1	7.7	5.1	2.6	.0	8	20.5
65/69	.0	.0	.0	.0	30.8	28.2	10.3	.0	27	69.2
60/64	.0	.0	.0	.0	2.6	2.6	2.6	2.6	4	10.3
TOTAL	0	0	0	2	16	14	6	1	39	100.0
PCT	.0	.0	.0	5.1	41.0	35.9	15.4	2.6		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
.0	.0	2.6	10.3	7.7	.0	.0	.0	.0	.0
.0	.0	.0	49.4	19.9	.0	.0	.0	.0	.0
.0	.0	.0	8.3	1.9	.0	.0	.0	.0	.0
.0	.0	2.6	67.9	29.5	.0	.0	.0	.0	.0

TABLE 15

MEANS,EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00&03	69	68	68	68	63	63	63	66.9	11
06&09	70	69	69	67	65	65	65	67.3	26
12&15	73	72	72	66	64	64	64	67.2	10
18&21	77	76	76	71	65	65	65	70.6	20
TOT	77	76	73	68	64	63	63	68.2	67

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00&03	.0	.0	36.4	36.4	18.2	9.1	73	11
06&09	.0	.0	50.0	25.0	25.0	.0	74	8
12&15	.0	.0	20.0	70.0	10.0	.0	73	10
18&21	.0	20.0	60.0	10.0	10.0	.0	65	10
TOT	0	2	16	14	6	1	71	39

MARCH

PERIOD: (PRIMARY) 1912-1976
(OVER-ALL) 1908-1976

AREA 0021 AMBROSIO AND FELIX ISLS.
25.7S 79.7W

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	61 64	65 68	69 72	73 76	TOT	W FOG	WO FOG
4	.0	.0	.0	2.6	1	.0	2.6
3	.0	.0	5.1	2.6	3	.0	7.7
2	.0	.0	2.6	.0	1	.0	2.6
1	.0	.0	7.7	.0	3	.0	7.7
0	.0	7.7	7.7	.0	6	.0	15.4
-1	.0	25.6	2.6	.0	11	.0	28.2
-2	.0	15.4	.0	.0	6	.0	15.4
-3	.0	2.6	.0	.0	1	.0	2.6
-4	10.3	5.1	.0	.0	6	.0	15.4
-5	.0	2.6	.0	.0	1	.0	2.6
TOTAL	4		10			0	39
		23		2	39		
PCT	10.3	59.0	25.6	5.1	100.0		100.0

PERIOD: (OVER-ALL) 1963-1976

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	1.3	15.0	.0	.0	.0	16.3
3-4	.0	10.0	25.0	5.0	.0	.0	40.0
5-6	.0	.0	25.0	.0	.0	.0	25.0
7	.0	.0	5.0	.0	.0	.0	5.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	11.3	70.0	5.0	.0	.0	86.3

PERIOD: (OVER-ALL) 1963-1976

MARCH

AREA 0021 AMBROSIO AND FELIX ISLS. 25.7S 79.7W

TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

S

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	3.8	10.0	.0	.0	.0	13.8
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	3.8	10.0	.0	.0	.0	13.8

SW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0

W

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0

NW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	.0	.0	.0	.0	.0	.0	.0	
1-2	.0	.0	.0	.0	.0	.0	.0	
3-4	.0	.0	.0	.0	.0	.0	.0	
5-6	.0	.0	.0	.0	.0	.0	.0	
7	.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.0	.0	.0	.0	.0	.0	.0	100.0

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	.0	.0	.0	.0	.0	.0	.0	
1-2	.0	5.0	25.0	.0	.0	.0	30.0	
3-4	.0	10.0	25.0	5.0	.0	.0	40.0	
5-6	.0	.0	25.0	.0	.0	.0	25.0	
7	.0	.0	5.0	.0	.0	.0	5.0	
8-9	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.0	15.0	80.0	5.0	.0	.0	100.0	20

PERIOD: (OVER-ALL) 1957-1976

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	.0	.0	3.6	14.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5	5
6-7	.0	3.6	3.6	10.7	10.7	7.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	10	6
8-9	.0	.0	.0	.0	.0	10.7	7.1	3.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6	9
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
12-13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
>13	.0	.0	.0	.0	3.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	7
INDET	.0	.0	.0	14.3	.0	.0	7.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6	7
TOTAL	0	1	2	11	4	5	4	1	0	0	0	0	0	0	0	0	0	0	0	28	7
PCT	.0	3.6	7.1	39.3	14.3	17.9	14.3	3.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

APRIL

PERIOD: (PRIMARY) 1911-1970
(OVER-ALL) 1880-1970

AREA 0021 AMBROSIO AND FELIX ISLS.
25.6S 79.4W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0
NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0
E	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0
SE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	100.0
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	100.0
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	100.0
TOT OBS:	24															

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
00603	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	100.0
06609	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	100.0
12615	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	100.0
18621	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	100.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	100.0
TOT OBS:	27															

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	WIND SPEED (KNOTS)									HOUR (GMT)							
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	1.4	1.4	.0	.0	.0	.0		2.9	3.5	.0	.0	.0	.0	.0	.0	.0	11.8
NE	.0	1.4	.0	.0	.0	.0		1.4	5.0	.0	.0	5.9	.0	.0	.0	.0	.0
E	2.5	1.1	3.6	.0	.0	.0		7.1	10.0	.0	.0	.0	23.2	.0	.0	11.1	4.4
SE	1.8	21.8	36.8	4.3	.0	.0		64.6	12.4	86.1	.0	60.3	48.2	81.3	.0	88.9	54.4
S	1.4	5.7	9.6	.0	.0	.0		16.8	11.9	13.9	.0	27.9	14.3	18.8	.0	.0	17.6
SW	.0	1.4	.0	.0	.0	.0		1.4	5.0	.0	.0	.0	.0	.0	.0	.0	5.9
W	.0	2.9	.0	.0	.0	.0		2.9	7.0	.0	.0	5.9	7.1	.0	.0	.0	.0
NW	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	2.9							2.9	.0	.0	.0	.0	7.1	.0	.0	.0	5.9
TOT OBS	7	25	35	3	0	0	70		11.1	9	0	17	14	4	0	9	17
TOT PCT	10.0	35.7	50.0	4.3	.0	.0		100.0		100.0	.0	100.0	100.0	100.0	.0	100.0	100.0

TABLE 3A

	WIND SPEED (KNOTS)								HOUR (GMT)			
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	06 09	12 15	18 21
N	2.9	.0	.0	.0	.0		2.9	3.5	.0	.0	.0	7.7
NE	1.4	.0	.0	.0	.0		1.4	5.0	.0	3.2	.0	.0
E	2.5	2.5	2.1	.0	.0		7.1	10.0	.0	10.5	.0	6.7
SE	11.8	40.0	12.9	.0	.0		64.6	12.4	86.1	54.8	81.3	66.3
S	1.4	11.8	3.6	.0	.0		16.8	11.9	13.9	21.8	18.8	11.5
SW	1.4	.0	.0	.0	.0		1.4	5.0	.0	.0	.0	3.8
W	1.4	1.4	.0	.0	.0		2.9	7.0	.0	6.5	.0	.0
NW	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	2.9						2.9	.0	.0	3.2	.0	3.8
TOT OBS	18	39	13	0	0	70		11.1	9	31	4	26
TOT PCT	25.7	55.7	18.6	.0	.0		100.0		100.0	100.0	100.0	100.0

APRIL

PERIOD: (PRIMARY) 1911-1970
(OVER-ALL) 1880-1970

AREA 0021 AMBROSIO AND FELIX ISLS.
25.6S 79.4W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	1-3	4-10	WIND SPEED (KNOTS) 11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00&03	.0	.0	11.1	77.8	11.1	.0	.0	14.8	100.0	9
06&09	3.2	9.7	51.6	32.3	3.2	.0	.0	9.1	100.0	31
12&15	.0	.0	.0	100.0	.0	.0	.0	16.2	100.0	4
18&21	3.8	7.7	30.8	53.8	3.8	.0	.0	11.5	100.0	26
TOT	2	5	25	35	3	0	0	11.1		70
PCT	2.9	7.1	35.7	50.0	4.3	.0	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	.0	.0	.0	.0		.0
NE	.0	.0	.0	.0		.0
E	.0	.0	.0	.0		.0
SE	8.7	37.0	16.3	23.9		5.1
S	.0	2.2	5.4	6.5		6.6
SW	.0	.0	.0	.0		.0
W	.0	.0	.0	.0		.0
NW	.0	.0	.0	.0		.0
VAR	.0	.0	.0	.0		.0
CALM	.0	.0	.0	.0		.0
TOT OBS	2	9	5	7	23	5.3
TOT PCT	8.7	39.1	21.7	30.4	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT,NH >4/8) AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

WND DIR	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	TOTAL OBS
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
E	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
SE	.0	.0	.0	.0	17.4	16.3	.0	2.2	.0	.0	50.0	
S	.0	.0	.0	.0	4.3	5.4	.0	2.2	.0	.0	2.2	
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT OBS	0	0	0	0	5	5	0	1	0	0	12	23
TOT PCT	.0	.0	.0	.0	21.7	21.7	.0	4.3	.0	.0	52.2	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) = OR >10	= OR >5	= OR >2	= OR >1	= OR >1/2	= OR >1/4	= OR >50YD	= OR >0
= OR >6500	.0	.0	.0	.0	.0	.0	.0	.0
= OR >5000	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8
= OR >3500	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8
= OR >2000	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1
= OR >1000	38.5	42.3	42.3	42.3	42.3	42.3	42.3	42.3
= OR >600	46.2	50.0	50.0	50.0	50.0	50.0	50.0	50.0
= OR >300	46.2	50.0	50.0	50.0	50.0	50.0	50.0	50.0
= OR >150	46.2	50.0	50.0	50.0	50.0	50.0	50.0	50.0
= OR > 0	46.2	50.0	50.0	50.0	50.0	50.0	50.0	50.0
TOTAL	12	13	13	13	13	13	13	13

TOTAL NUMBER OF OBS: 26 PCT FREQ NH <5/8: 50.0

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8 OBSCD	TOTAL OBS
3.7	3.7	14.8	14.8	11.1	7.4	14.8	7.4	22.2 .0	27

APRIL

PERIOD: (PRIMARY) 1911-1970
(OVER-ALL) 1800-1970

AREA 0021 AMBROSIO AND FELIX ISLS.
25.6S 79.4W

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	4.2	.0	.0	.0	.0	.0	.0	4.2	
	TOT %	.0	.0	.0	4.2	.0	.0	.0	.0	.0	.0	4.2	
5<10	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	8.3	.0	.0	.0	.0	.0	.0	8.3	
	TOT %	.0	.0	.0	8.3	.0	.0	.0	.0	.0	.0	8.3	
10+	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	74.0	13.5	.0	.0	.0	.0	.0	87.5	
	TOT %	.0	.0	.0	74.0	13.5	.0	.0	.0	.0	.0	87.5	
	TOT OBS												24
	TOT PCT	.0	.0	.0	86.5	13.5	.0	.0	.0	.0	.0	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	4.2	.0	.0	.0	.0	.0		4.2	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	4.2	.0	.0	.0	.0	.0	.0	4.2	
5<10	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	4.2	.0	.0	.0	.0	.0		4.2	
	22+	.0	.0	.0	4.2	.0	.0	.0	.0	.0		4.2	
	TOT %	.0	.0	.0	8.3	.0	.0	.0	.0	.0	.0	8.3	
10+	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	4.2	.0	.0	.0	.0	.0		4.2	
	11-21	.0	.0	.0	65.6	13.5	.0	.0	.0	.0		79.2	
	22+	.0	.0	.0	4.2	.0	.0	.0	.0	.0		4.2	
	TOT %	.0	.0	.0	74.0	13.5	.0	.0	.0	.0	.0	87.5	
	TOT OBS												24
	TOT PCT	.0	.0	.0	86.5	13.5	.0	.0	.0	.0	.0	100.0	

PERIOD: (PRIMARY) 1911-1970
(OVER-ALL) 1880-1970

AREA 0021 AMBROSIO AND FELIX ISLS.
25.6S 79.4W

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET,NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00&03	.0	.0	.0	.0	33.3	11.1	.0	.0	.0	.0	44.4	55.6	9
06&09	.0	.0	.0	25.0	25.0	25.0	.0	25.0	.0	.0	100.0	.0	4
12&15	.0	.0	.0	25.0	.0	50.0	.0	.0	.0	.0	75.0	25.0	4
18&21	.0	.0	.0	.0	11.1	11.1	.0	.0	.0	.0	22.2	77.8	9
TOT	0	0	0	2	5	5	0	1	0	0	13	13	26
PCT	.0	.0	.0	7.7	19.2	19.2	.0	3.8	.0	.0	50.0	50.0	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00&03	.0	.0	.0	.0	11.1	88.9	9
06&09	.0	.0	.0	.0	.0	100.0	4
12&15	.0	.0	.0	.0	.0	100.0	5
18&21	.0	.0	.0	11.1	11.1	77.8	9
TOT	0	0	0	1	2	24	27
PCT	.0	.0	.0	3.7	7.4	88.9	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET,NH >4/8),BY HOUR

HOUR (GMT)	<150 <500	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL OBS
00&03	.0	.0	.0	44.4	55.6	9
06&09	.0	.0	25.0	75.0	.0	4
12&15	.0	.0	25.0	50.0	25.0	4
18&21	.0	.0	11.1	22.2	66.7	9
TOT	0	0	3	11	12	26
PCT	.0	.0	11.5	42.3	46.2	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
75/79	.0	.0	.0	.0	.0	.0	5.0	.0	1	5.0
70/74	.0	.0	.0	.0	5.0	5.0	.0	.0	2	10.0
65/69	.0	.0	.0	5.0	15.0	35.0	15.0	.0	14	70.0
60/64	.0	.0	.0	.0	.0	5.0	.0	10.0	3	15.0
TOTAL	0	0	0	1	4	9	4	2	20	100.0
PCT	.0	.0	.0	5.0	20.0	45.0	20.0	10.0		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

	N	NE	E	SE	S	SW	W	NW	VAR	CALM
	.0	.0	.0	5.0	.0	.0	.0	.0	.0	.0
	.0	.0	.0	10.0	.0	.0	.0	.0	.0	.0
	.0	.0	.0	52.5	17.5	.0	.0	.0	.0	.0
	.0	.0	.0	11.3	3.8	.0	.0	.0	.0	.0
	.0	.0	.0	78.8	21.3	.0	.0	.0	.0	.0

TABLE 15

MEANS,EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00&03	75	74	74	66	61	61	61	66.6	10
06&09	72	71	70	67	64	64	64	66.9	32
12&15	72	71	71	66	63	63	63	66.8	5
18&21	76	75	75	68	66	65	55	69.5	25
TOT	76	75	75	67	64	61	61	67.8	72

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00&03	.0	.0	11.1	22.2	44.4	22.2	80	9
06&09	.0	.0	.0	75.0	25.0	.0	77	4
12&15	.0	.0	.0	66.7	33.3	.0	76	3
18&21	.0	14.3	42.9	28.6	14.3	.0	68	7
TOT	0	1	4	9	7	2	75	23

APRIL

PERIOD: (PRIMARY) 1911-1970
(OVER-ALL) 1880-1970

AREA 0021 AMBROSIO AND FELIX ISLS.
25.6S 79.4W

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	61 64	65 68	69 72	73 76	TOT	W FOG	WO FOG
4	.0	7.4	3.7	.0	3	.0	11.1
1	.0	.0	3.7	7.4	3	.0	11.1
0	.0	18.5	.0	.0	5	.0	18.5
-1	.0	7.4	3.7	.0	3	.0	11.1
-2	.0	11.1	3.7	.0	4	.0	14.8
-3	3.7	7.4	.0	.0	3	.0	11.1
-4	3.7	7.4	.0	.0	3	.0	11.1
-5	3.7	3.7	.0	.0	2	.0	7.4
-11/-13	3.7	.0	.0	.0	1	.0	3.7
TOTAL	4		4		0		27
		17		2	27		
PCT	14.8	63.0	14.8	7.4	100.0		100.0

PERIOD: (OVER-ALL) 1963-1976

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	6.7	20.0	.0	.0	.0	26.7
3-4	.0	.0	40.0	.0	.0	.0	40.0
5-6	.0	.0	21.7	.0	.0	.0	21.7
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	6.7	81.7	.0	.0	.0	88.3

PERIOD: (OVER-ALL) 1963-1976 APRIL AREA 0021 AMBROSIO AND FELIX ISLS. 25.6S 79.4W

TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

S

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	6.7	.0	.0	.0	6.7
5-6	.0	.0	5.0	.0	.0	.0	5.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	11.7	.0	.0	.0	11.7

SW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0

W

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0

NW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	.0	.0	.0	.0	.0	.0	.0	
1-2	.0	.0	.0	.0	.0	.0	.0	
3-4	.0	.0	.0	.0	.0	.0	.0	
5-6	.0	.0	.0	.0	.0	.0	.0	
7	.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.0	.0	.0	.0	.0	.0	.0	100.0

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	5.6	5.6	.0	.0	.0	.0	11.1	
1-2	5.6	5.6	16.7	.0	.0	.0	27.8	
3-4	.0	.0	38.9	.0	.0	.0	38.9	
5-6	.0	.0	22.2	.0	.0	.0	22.2	
7	.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	11.1	11.1	77.8	.0	.0	.0	100.0	18

PERIOD: (OVER-ALL) 1957-1976

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	.0	4.0	12.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4	3
6-7	.0	.0	4.0	32.0	12.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	12	5
8-9	.0	.0	.0	8.0	8.0	.0	4.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5	7
10-11	.0	.0	4.0	.0	.0	4.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2	6
12-13	.0	.0	.0	.0	.0	.0	.0	.0	8.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2	13
>13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
INDET	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
TOTAL	0	1	5	10	5	1	1	0	2	0	0	0	0	0	0	0	0	0	0	25	6
PCT	.0	4.0	20.0	40.0	20.0	4.0	4.0	.0	8.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

MAY

PERIOD: (PRIMARY) 1912-1977
(OVER-ALL) 1889-1977

AREA 0021 AMBROSIO AND FELIX ISLS.
25.5S 79.6W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
E	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
SE	.0	.0	.0	.0	.0	.0	.0	.0	16.0	.0	.0	.0	.0	.0	.0	84.0
S	.0	.0	.0	.0	.0	.0	.0	.0	5.8	.0	.0	.0	.0	.0	.0	94.2
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
W	.0	.0	27.3	.0	.0	.0	.0	27.3	.0	.0	.0	.0	.0	.0	.0	72.7
NW	.0	.0	16.7	.0	.0	.0	.0	16.7	.0	.0	.0	.0	.0	.0	.0	83.3
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	100.0	.0	.0	.0	.0	100.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	4.3	.0	.0	.0	.0	4.3	6.4	.0	.0	.0	.0	.0	.0	89.4
TOT OBS:	47															

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
00603	.0	.0	7.7	.0	.0	.0	.0	7.7	7.7	.0	.0	.0	.0	.0	.0	84.6
06609	.0	.0	.0	.0	.0	.0	.0	.0	13.3	.0	.0	.0	.0	.0	.0	86.7
12615	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
18621	.0	.0	9.1	.0	.0	.0	.0	9.1	.0	.0	.0	.0	.0	.0	.0	90.9
TOT PCT	.0	.0	4.2	.0	.0	.0	.0	4.2	6.3	.0	.0	.0	.0	.0	.0	89.6
TOT OBS:	48															

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	WIND SPEED (KNOTS)									HOUR (GMT)							
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	.0	2.7	.0	.0	.0	.0		2.7	4.6	12.5	.0	.0	.0	.0	.0	13.6	.0
NE	.0	.6	3.6	1.2	.0	.0		5.4	13.6	4.2	16.7	4.0	7.1	16.7	.0	2.3	.0
E	.0	3.9	1.8	.0	.0	.0		5.7	7.9	.0	16.7	6.0	5.4	.0	.0	6.8	5.8
SE	2.4	25.6	14.3	.0	.0	.0		42.3	10.2	.0	33.3	60.0	53.6	37.5	33.3	20.5	42.3
S	3.0	18.5	7.4	.0	.0	.0		28.9	8.0	41.7	33.3	21.0	21.4	29.2	33.3	34.1	38.5
SW	.6	3.3	1.5	.0	.0	.0		5.4	8.2	25.0	.0	5.0	5.4	.0	.0	2.3	5.8
W	.9	2.4	2.4	.0	.0	.0		5.7	10.3	.0	.0	4.0	.0	.0	33.3	15.9	7.7
NW	.3	1.5	.0	.0	.0	.0		1.8	5.3	.0	.0	.0	.0	16.7	.0	4.5	.0
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	2.4							2.4	.0	16.7	.0	.0	7.1	.0	.0	.0	.0
TOT OBS	8	49	26	1	0	0	84		9.0	6	6	25	14	6	3	11	13
TOT PCT	9.5	58.3	31.0	1.2	.0	.0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

	WIND SPEED (KNOTS)								HOUR (GMT)			
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	06 09	12 15	18 21
N	2.7	.0	.0	.0	.0		2.7	4.6	6.3	.0	.0	6.3
NE	.6	3.6	1.2	.0	.0		5.4	13.6	10.4	5.1	11.1	1.0
E	3.0	2.7	.0	.0	.0		5.7	7.9	8.3	5.8	.0	6.3
SE	8.0	28.3	6.0	.0	.0		42.3	10.2	16.7	57.7	36.1	32.3
S	14.6	11.9	2.4	.0	.0		28.9	8.0	37.5	21.2	30.6	36.5
SW	1.8	3.6	.0	.0	.0		5.4	8.2	12.5	5.1	.0	4.2
W	3.3	.0	2.4	.0	.0		5.7	10.3	.0	2.6	11.1	11.5
NW	1.8	.0	.0	.0	.0		1.8	5.3	.0	.0	11.1	2.1
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	2.4						2.4	.0	8.3	2.6	.0	.0
TOT OBS	32	42	10	0	0	84		9.0	12	39	9	24
TOT PCT	38.1	50.0	11.9	.0	.0		100.0		100.0	100.0	100.0	100.0

PERIOD: (PRIMARY) 1912-1977
(OVER-ALL) 1889-1977

AREA 0021 AMBROSIO AND FELIX ISLS.
25.5S 79.6W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS) 1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00&03	8.3	8.3	50.0	33.3	.0	.0	.0	8.4	100.0	12
06&09	2.6	7.7	43.6	46.2	.0	.0	.0	10.2	100.0	39
12&15	.0	.0	77.8	11.1	11.1	.0	.0	9.0	100.0	9
18&21	.0	8.3	79.2	12.5	.0	.0	.0	7.5	100.0	24
TOT	2	6	49	26	1	0	0	9.0		84
PCT	2.4	7.1	58.3	31.0	1.2	.0	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	.0	3.8	.0	1.9		5.3
NE	.0	3.8	.0	.0		4.0
E	.0	1.9	.0	2.5		6.2
SE	8.1	5.6	11.3	3.1		4.7
S	9.4	9.4	14.4	4.4		4.5
SW	.0	.6	4.4	2.5		6.4
W	.0	.0	4.4	2.5		7.0
NW	.0	.0	3.1	.6		7.1
VAR	.0	.0	.0	.0		.0
CALM	.0	.0	.0	2.5		8.0
TOT OBS	7	10	15	8	40	5.2
TOT PCT	17.5	25.0	37.5	20.0	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT,NH >4/8) AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

WND DIR	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	TOTAL OBS
N	.0	.0	.0	.0	1.9	.0	.0	.0	.0	.0	3.8	
NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.8	
E	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.4	
SE	.0	.0	.0	10.6	2.5	1.3	.0	.0	.0	.0	13.8	
S	.0	.0	.0	1.9	6.9	8.1	.0	.0	.0	.0	20.6	
SW	.0	.0	.0	2.5	.6	3.1	.0	.0	.0	.0	1.3	
W	.0	.0	.0	.0	6.9	.0	.0	.0	.0	.0	.0	
NW	.0	.0	.0	.0	1.3	2.5	.0	.0	.0	.0	.0	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.5	
TOT OBS	0	0	0	6	8	6	0	0	0	0	20	40
TOT PCT	.0	.0	.0	15.0	20.0	15.0	.0	.0	.0	.0	50.0	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) * OR >10	* OR >5	* OR >2	* OR >1	* OR >1/2	* OR >1/4	* OR >50YD	* OR >0
* OR >6500	.0	.0	.0	.0	.0	.0	.0	.0
* OR >5000	.0	.0	.0	.0	.0	.0	.0	.0
* OR >3500	.0	.0	.0	.0	.0	.0	.0	.0
* OR >2000	12.2	14.6	14.6	14.6	14.6	14.6	14.6	14.6
* OR >1000	26.8	34.1	34.1	34.1	34.1	34.1	34.1	34.1
* OR >600	31.7	48.8	48.8	48.8	48.8	48.8	48.8	48.8
* OR >300	31.7	48.8	48.8	48.8	48.8	48.8	48.8	48.8
* OR >150	31.7	48.8	48.8	48.8	48.8	48.8	48.8	48.8
* OR > 0	31.7	48.8	48.8	48.8	48.8	48.8	48.8	48.8
TOTAL	13	20	20	20	20	20	20	20

TOTAL NUMBER OF OBS: 41 PCT FREQ NH <5/8: 51.2

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8 OBSCD	TOTAL OBS
2.2	11.1	11.1	11.1	13.3	4.4	15.6	17.8	13.3	.0	45

MAY

PERIOD: (PRIMARY) 1912-1977
(OVER-ALL) 1889-1977

AREA 0021 AMBROSIO AND FELIX ISLS.
25.5S 79.6W

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
5<10	PCP	.0	.0	.0	.0	.0	.0	1.6	.5	.0	.0	2.1	
	NO PCP	.0	2.1	3.7	11.2	4.3	.0	.0	.0	.0	.0	21.3	
	TOT %	.0	2.1	3.7	11.2	4.3	.0	1.6	.5	.0	.0	23.4	
10+	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.1	2.1	
	NO PCP	4.8	7.4	.0	15.4	32.4	7.4	4.3	2.7	.0	.0	74.5	
	TOT %	4.8	7.4	.0	15.4	32.4	7.4	4.3	2.7	.0	2.1	76.6	
	TOT OBS												47
	TOT PCT	4.8	9.6	3.7	26.6	36.7	7.4	5.9	3.2	.0	2.1	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
5<10	0-3	.0	.0	.0	.0	2.1	.0	1.6	.5	.0	.0	4.3	
	4-10	.0	.0	3.7	2.7	2.1	.0	.0	.0	.0		8.5	
	11-21	.0	2.1	.0	8.5	.0	.0	.0	.0	.0		10.6	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	2.1	3.7	11.2	4.3	.0	1.6	.5	.0	.0	23.4	
10+	0-3	.0	.0	.0	.0	1.6	.5	.0	.0	.0	2.1	4.3	
	4-10	4.8	1.1	.0	14.4	23.4	4.8	4.3	2.7	.0		55.3	
	11-21	.0	4.3	.0	1.1	7.4	2.1	.0	.0	.0		14.9	
	22+	.0	2.1	.0	.0	.0	.0	.0	.0	.0		2.1	
	TOT %	4.8	7.4	.0	15.4	32.4	7.4	4.3	2.7	.0	2.1	76.6	
	TOT OBS												47
	TOT PCT	4.8	9.6	3.7	26.6	36.7	7.4	5.9	3.2	.0	2.1	100.0	

PERIOD: (PRIMARY) 1912-1977
(OVER-ALL) 1889-1977

AREA 0021 AMBROSIO AND FELIX ISLS.
25.5S 79.6W

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET,NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00&03	.0	.0	.0	10.0	10.0	20.0	.0	.0	.0	.0	40.0	60.0	10
06&09	.0	.0	.0	30.8	7.7	15.4	.0	.0	.0	.0	53.8	46.2	13
12&15	.0	.0	.0	.0	25.0	12.5	.0	.0	.0	.0	37.5	62.5	8
18&21	.0	.0	.0	9.1	36.4	9.1	.0	.0	.0	.0	54.5	45.5	11
TOT	0	0	0	6	8	6	0	0	0	0	20	22	42
PCT	.0	.0	.0	14.3	19.0	14.3	.0	.0	.0	.0	47.6	52.4	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00&03	.0	.0	.0	.0	46.2	53.8	13
06&09	.0	.0	.0	.0	33.3	66.7	15
12&15	.0	.0	.0	.0	.0	100.0	9
18&21	.0	.0	.0	.0	9.1	90.9	11
TOT	0	0	0	0	12	36	48
PCT	.0	.0	.0	.0	25.0	75.0	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET,NH >4/8),BY HOUR

HOUR (GMT)	<150 <50YD	<600 <1	<1000 <3	1000+ AND5+	NH <5/8 AND 5+	TOTAL OBS
00&03	.0	.0	11.1	33.3	55.6	9
06&09	.0	.0	30.8	23.1	46.2	13
12&15	.0	.0	.0	37.5	62.5	8
18&21	.0	.0	9.1	45.5	45.5	11
TOT	0	0	6	14	21	41
PCT	.0	.0	14.6	34.1	51.2	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
70/74	.0	.0	.0	.0	2.3	.0	.0	.0	1	2.3
65/69	.0	.0	.0	.0	4.5	22.7	13.6	6.8	21	47.7
60/64	.0	.0	.0	.0	4.5	9.1	20.5	15.9	22	50.0
TOTAL	0	0	0	0	5	14	15	10	44	100.0
PCT	.0	.0	.0	.0	11.4	31.8	34.1	22.7		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
.0	.0	.0	.0	1.7	.6	.0	.0	.0	.0
5.1	8.0	.0	10.2	15.3	1.7	6.3	1.1	.0	.0
.0	.0	4.0	15.3	20.5	5.7	.0	2.3	.0	2.3
5.1	8.0	4.0	25.6	37.5	8.0	6.3	3.4	.0	2.3

TABLE 15

MEANS,EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00&03	68	67	67	65	61	61	61	65.0	13
06&09	77	76	67	64	62	61	61	64.4	38
12&15	78	77	77	66	64	64	64	68.0	9
18&21	82	81	72	67	63	63	63	67.2	23
TOT	82	81	72	65	62	61	61	65.6	83

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00&03	.0	.0	15.4	30.8	23.1	30.8	80	13
06&09	.0	.0	14.3	35.7	21.4	28.6	79	14
12&15	.0	.0	.0	28.6	71.4	.0	82	7
18&21	.0	.0	9.1	36.4	36.4	18.2	81	11
TOT	0	0	5	15	15	10	80	45

MAY

PERIOD: (PRIMARY) 1912-1977
(OVER-ALL) 1889-1977

AREA 0021 AMBROSIO AND FELIX ISLS.
25.5S 79.6W

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	61 64	65 68	69 72	73 76	77 80	TOT	W FOG	WO FOG
5	.0	.0	2.1	.0	4.2	3	.0	6.4
2	.0	2.1	.0	.0	.0	1	.0	2.1
1	.0	.0	2.1	.0	.0	1	.0	2.1
0	2.1	10.6	.0	.0	.0	6	.0	12.8
-1	.0	8.5	.0	.0	.0	4	.0	8.5
-2	12.8	10.6	.0	.0	.0	11	.0	23.4
-3	6.4	8.5	.0	.0	.0	7	.0	14.9
-4	10.6	2.1	.0	.0	.0	6	.0	12.8
-5	12.8	2.1	.0	.0	.0	7	.0	14.9
-6	2.1	.0	.0	.0	.0	1	.0	2.1
TOTAL	22		2		2		0	47
		21		0		47		
PCT	46.8	44.7	4.3	.0	4.3	100.0		100.0

PERIOD: (OVER-ALL) 1963-1977

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	2.2	.0	.0	.0	.0	2.2
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	2.2	.0	.0	.0	.0	2.2

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.7	.0	.0	.0	.0	.7
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	2.9	.0	.0	.0	2.9
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.7	2.9	.0	.0	.0	3.7

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	2.2	.0	.0	.0	.0	2.2
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	2.2	.0	.0	.0	.0	2.2

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	16.9	.7	.0	.0	.0	17.6
3-4	.0	2.9	6.6	.0	.0	.0	9.6
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	19.9	7.4	.0	.0	.0	27.2

PERIOD: (OVER-ALL) 1963-1977

MAY

AREA 0021 AMBROSIO AND FELIX ISLS. 25.5S 79.6W

TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

S

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	2.2	14.0	.0	.0	.0	.0	16.2
1-2	.0	7.4	5.1	.0	.0	.0	12.5
3-4	.0	2.2	5.1	.0	.0	.0	7.4
5-6	.0	5.1	.0	.0	.0	.0	5.1
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	2.2	28.7	10.3	.0	.0	.0	41.2

SW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.7	.7	.0	.0	.0	.0	1.5
1-2	.0	2.9	.0	.0	.0	.0	2.9
3-4	.0	.7	2.9	.0	.0	.0	3.7
5-6	.0	.7	.0	.0	.0	.0	.7
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	2.2	28.7	10.3	.0	.0	.0	41.2

W

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	2.2	.0	.0	.0	.0	.0	2.2
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	5.9	.0	.0	.0	.0	5.9
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	2.2	5.9	.0	.0	.0	.0	8.1

NW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	.7	.0	.0	.0	.0	.0	.7	
1-2	.0	2.9	.0	.0	.0	.0	2.9	
3-4	.0	.0	.0	.0	.0	.0	.0	
5-6	.0	.0	.0	.0	.0	.0	.0	
7	.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.7	2.9	.0	.0	.0	.0	3.7	97.1

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	8.8	17.6	.0	.0	.0	.0	26.5	
1-2	.0	32.4	5.9	.0	.0	.0	38.2	
3-4	.0	11.8	17.6	.0	.0	.0	29.4	
5-6	.0	5.9	.0	.0	.0	.0	5.9	
7	.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	8.8	67.6	23.5	.0	.0	.0	100.0	34

PERIOD: (OVER-ALL) 1949-1977

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	.0	.0	4.9	.0	2.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3	4
6-7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
8-9	.0	17.1	.0	2.4	14.6	2.4	4.9	.0	2.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	18	6
10-11	.0	.0	4.9	2.4	.0	4.9	2.4	.0	.0	9.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	10	10
12-13	.0	.0	.0	.0	.0	4.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2	8
>13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
INDET	.0	.0	9.8	2.4	.0	7.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	8	5
TOTAL	0	7	8	3	7	8	3	0	1	4	0	0	0	0	0	0	0	0	0	41	7
PCT	.0	17.1	19.5	7.3	17.1	19.5	7.3	.0	2.4	9.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

JUNE

PERIOD: (PRIMARY) 1910-1977
(OVER-ALL) 1900-1977

AREA 0021 AMBROSIO AND FELIX ISLS.
25.6S 79.4W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	100.0
NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	100.0
E	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	100.0
SE	.0	.0	8.2	.0	.0	.0	.0	8.2	8.2	.0	.0	.0	2.0		.0	81.6
S	.0	10.3	.0	.0	.0	.0	.0	10.3	.0	.0	.0	.0	7.7		.0	82.1
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	100.0
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	22.6	.0	.0		.0	77.4
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.0	.0	.0		.0	96.0
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	100.0
TOT PCT	.0	2.3	2.3	.0	.0	.0	.0	4.5	2.3	.0	4.5	.0	2.3		.0	86.4
TOT OBS:	44															

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
00&03	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	100.0
06&09	.0	.0	.0	.0	.0	.0	.0	.0	10.0	.0	10.0	.0	.0		.0	80.0
12&15	.0	.0	9.1	.0	.0	.0	.0	9.1	.0	.0	9.1	.0	.0		.0	81.8
18&21	.0	8.3	.0	.0	.0	.0	.0	8.3	.0	.0	.0	.0	8.3		.0	83.3
TOT PCT	.0	2.2	2.2	.0	.0	.0	.0	4.4	2.2	.0	4.4	.0	2.2		.0	86.7
TOT OBS:	45															

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	WIND SPEED (KNOTS)									HOUR (GMT)							
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	.0	1.6	.8	.0	.0	.0		2.4	10.6	.0	25.0	3.1	4.4	.0	.0	.0	.0
NE	.0	1.6	.0	.0	.0	.0		1.6	6.3	.0	8.3	5.2	.0	.0	.0	.0	.0
E	.0	3.0	1.1	.0	.0	.0		4.0	7.9	11.1	.0	3.1	.0	.0	.0	22.2	.0
SE	2.7	7.4	21.2	4.3	.0	.0		37.6	13.6	33.3	.0	38.5	50.0	33.3	50.0	22.2	41.3
S	1.6	12.9	14.5	1.1	.0	.0		30.1	11.7	11.1	33.3	30.2	36.8	22.2	.0	22.2	42.5
SW	.0	.8	1.9	.0	.0	.0		2.7	10.6	.0	.0	3.1	7.4	2.8	.0	.0	1.3
W	4.0	4.8	1.6	1.1	.0	.0		11.6	8.4	16.7	33.3	10.4	.0	30.6	.0	11.1	10.0
NW	.3	4.6	3.0	.0	.0	.0		7.8	9.6	16.7	.0	6.3	1.5	11.1	50.0	22.2	.0
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	2.2							2.2	.0	11.1	.0	.0	.0	.0	.0	.0	5.0
TOT OBS	10	36	41	6	0	0	93		11.3	9	3	24	17	9	2	9	20
TOT PCT	10.8	38.7	44.1	6.5	.0	.0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

	WIND SPEED (KNOTS)								HOUR (GMT)			
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	06 09	12 15	18 21
N	.0	2.4	.0	.0	.0		2.4	10.6	6.3	3.7	.0	.0
NE	1.1	.5	.0	.0	.0		1.6	6.3	2.1	3.0	.0	.0
E	3.0	1.1	.0	.0	.0		4.0	7.9	8.3	1.8	.0	6.9
SE	5.6	16.7	15.3	.0	.0		37.6	13.6	25.0	43.3	36.4	35.3
S	7.0	14.8	8.3	.0	.0		30.1	11.7	16.7	32.9	18.2	36.2
SW	.8	1.9	.0	.0	.0		2.7	10.6	.0	4.9	2.3	.9
W	4.8	4.8	1.9	.0	.0		11.6	8.4	20.8	6.1	25.0	10.3
NW	1.3	6.2	.3	.0	.0		7.8	9.6	12.5	4.3	18.2	6.9
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	2.2						2.2	.0	8.3	.0	.0	3.4
TOT OBS	24	45	24	0	0	93		11.3	12	41	11	29
TOT PCT	25.8	48.4	25.8	.0	.0		100.0		100.0	100.0	100.0	100.0

JUNE

PERIOD: (PRIMARY) 1910-1977
(OVER-ALL) 1900-1977

AREA 0021 AMBROSIO AND FELIX ISLS.
25.6S 79.4W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS) 1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00&03	8.3	16.7	41.7	33.3	.0	.0	.0	8.2	100.0	12
06&09	.0	7.3	36.6	48.8	7.3	.0	.0	12.0	100.0	41
12&15	.0	.0	63.6	27.3	9.1	.0	.0	11.0	100.0	11
18&21	3.4	10.3	31.0	48.3	6.9	.0	.0	11.6	100.0	29
TOT	2	8	36	41	6	0	0	11.3		93
PCT	2.2	8.6	38.7	44.1	6.5	.0	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	3.6	.0	1.8	.0		2.0
NE	1.2	.0	.0	.0		.0
E	2.4	.0	4.8	.0		5.0
SE	2.4	9.5	7.7	9.5		5.5
S	2.4	4.8	16.1	.0		5.3
SW	.0	.0	.0	.6		8.0
W	2.4	1.8	.0	10.7		6.5
NW	.0	3.0	5.4	5.4		6.3
VAR	.0	.0	.0	.0		.0
CALM	4.8	.0	.0	.0		1.5
TOT OBS	8	8	15	11	42	5.2
TOT PCT	19.0	19.0	35.7	26.2	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT,NH >4/8) AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

WND DIR	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	TOTAL OBS
N	.0	.0	.0	.0	.0	.0	1.8	.0	.0	.0	3.6	
NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.2	
E	.0	.0	.0	.0	2.4	2.4	.0	.0	.0	.0	2.4	
SE	.0	2.4	2.4	7.1	4.8	.0	.0	.0	.0	.0	12.5	
S	.0	.0	.0	2.4	9.5	.0	2.4	.0	.0	.0	8.9	
SW	.0	.0	.0	.0	.0	.0	.6	.0	.0	.0	.0	
W	2.4	.0	.0	6.5	.0	.0	1.8	.0	.0	.0	4.2	
NW	.0	.0	.0	.6	.0	.0	5.4	.0	.0	.0	7.7	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.8	
TOT OBS	1	1	1	7	7	1	5	0	0	0	19	42
TOT PCT	2.4	2.4	2.4	16.7	16.7	2.4	11.9	.0	.0	.0	45.2	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) = OR >10	= OR >5	= OR >2	= OR >1	= OR >1/2	= OR >1/4	= OR >50YD	= OR >0
= OR >6500	.0	.0	.0	.0	.0	.0	.0	.0
= OR >5000	.0	.0	.0	.0	.0	.0	.0	.0
= OR >3500	9.8	12.2	12.2	12.2	12.2	12.2	12.2	12.2
= OR >2000	12.2	14.6	14.6	14.6	14.6	14.6	14.6	14.6
= OR >1000	29.3	31.7	31.7	31.7	31.7	31.7	31.7	31.7
= OR >600	43.9	48.8	48.8	48.8	48.8	48.8	48.8	48.8
= OR >300	46.3	51.2	51.2	51.2	51.2	51.2	51.2	51.2
= OR >150	46.3	51.2	53.7	53.7	53.7	53.7	53.7	53.7
= OR > 0	46.3	51.2	53.7	53.7	56.1	56.1	56.1	56.1
TOTAL	19	21	22	22	23	23	23	23

TOTAL NUMBER OF OBS: 41

PCT FREQ NH <5/8: 43.9

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8 OBSCD	TOTAL OBS
4.8	4.8	14.3	7.1	14.3	4.8	16.7	7.1	23.8 2.4	42

PERIOD: (PRIMARY) 1910-1977
(OVER-ALL) 1900-1977

AREA 0021 AMBROSIO AND FELIX ISLS.
25.6S 79.4W

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	4.1	.6	.0	.0	4.7	
	TOT %	.0	.0	.0	.0	.0	.0	4.1	.6	.0	.0	4.7	
1<2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	PCP	.0	.0	.0	2.3	.0	.0	.0	.0	.0	.0	2.3	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	2.3	.0	.0	.0	.0	.0	.0	2.3	
5<10	PCP	.0	.0	.0	.0	2.3	.0	.0	.0	.0	.0	2.3	
	NO PCP	1.7	.0	.0	.6	1.7	.0	.0	.6	.0	.0	4.7	
	TOT %	1.7	.0	.0	.6	4.1	.0	.0	.6	.0	.0	7.0	
10+	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	3.5	1.2	7.0	25.6	18.6	.6	14.0	13.4	.0	2.3	86.0	
	TOT %	3.5	1.2	7.0	25.6	18.6	.6	14.0	13.4	.0	2.3	86.0	
	TOT OBS												43
	TOT PCT	5.2	1.2	7.0	28.5	22.7	.6	18.0	14.5	.0	2.3	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	4.1	.6	.0		4.7	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	4.1	.6	.0	.0	4.7	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	2.3	.0	.0	.0	.0	.0		2.3	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	2.3	.0	.0	.0	.0	.0	.0	2.3	
5<10	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	1.7	.0	.0	.6	4.1	.0	.0	.6	.0		7.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	1.7	.0	.0	.6	4.1	.0	.0	.6	.0	.0	7.0	
10+	0-3	.0	.0	.0	.0	.0	.0	6.4	.6	.0	2.3	9.3	
	4-10	3.5	1.2	4.7	7.0	11.6	.6	4.1	7.0	.0		39.5	
	11-21	.0	.0	2.3	16.3	7.0	.0	3.5	5.8	.0		34.9	
	22+	.0	.0	.0	2.3	.0	.0	.0	.0	.0		2.3	
	TOT %	3.5	1.2	7.0	25.6	18.6	.6	14.0	13.4	.0	2.3	86.0	
	TOT OBS												43
	TOT PCT	5.2	1.2	7.0	28.5	22.7	.6	18.0	14.5	.0	2.3	100.0	

JUNE

PERIOD: (PRIMARY) 1910-1977
(OVER-ALL) 1900-1977

AREA 0021 AMBROSIO AND FELIX ISLS,
25.6S 79.4W

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET,NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00&03	.0	.0	.0	25.0	25.0	8.3	.0	.0	.0	.0	58.3	41.7	12
06&09	.0	.0	.0	.0	14.3	.0	14.3	.0	.0	.0	28.6	71.4	7
12&15	9.1	9.1	9.1	.0	18.2	.0	18.2	.0	.0	.0	63.6	36.4	11
18&21	.0	.0	.0	33.3	8.3	.0	16.7	.0	.0	.0	58.3	41.7	12
TOT	1	1	1	7	7	1	5	0	0	0	23	19	42
PCT	2.4	2.4	2.4	16.7	16.7	2.4	11.9	.0	.0	.0	54.8	45.2	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00&03	.0	.0	.0	.0	.0	100.0	12
06&09	.0	10.0	.0	.0	10.0	80.0	10
12&15	.0	9.1	.0	9.1	.0	81.8	11
18&21	.0	.0	.0	.0	18.2	81.8	11
TOT	0	2	0	1	3	38	44
PCT	.0	4.5	.0	2.3	6.8	86.4	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET,NH >4/8),BY HOUR

HOUR (GMT)	<150 <50VD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL OBS
00&03	.0	.0	25.0	33.3	41.7	12
06&09	.0	.0	.0	28.6	71.4	7
12&15	9.1	27.3	27.3	36.4	36.4	11
18&21	.0	.0	36.4	27.3	36.4	11
TOT	1	3	10	13	18	41
PCT	2.4	7.3	24.4	31.7	43.9	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
70/74	.0	.0	.0	2.5	.0	2.5	2.5	.0	3	7.5
65/69	.0	.0	.0	2.5	2.5	5.0	7.5	.0	7	17.5
60/54	.0	.0	.0	5.0	10.0	35.0	7.5	12.5	28	70.0
55/59	.0	.0	.0	.0	.0	2.5	2.5	.0	2	5.0
TOTAL	0	0	0	4	5	18	8	5	40	100.0
PCT	.0	.0	.0	10.0	12.5	45.0	20.0	12.5		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

	N	NE	E	SE	S	SW	W	NW	VAR	CALM
	.0	.0	.0	.0	.0	.0	1.9	3.1	.0	2.5
	.0	.0	.0	5.0	2.5	.0	4.4	5.6	.0	.0
	5.6	1.3	5.0	25.0	15.0	.6	13.1	4.4	.0	.0
	.0	.0	.0	.0	2.5	.0	.0	2.5	.0	.0
	5.6	1.3	5.0	30.0	20.0	.6	19.4	15.6	.0	2.5

TABLE 15

MEANS,EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00&03	69	68	68	63	60	60	60	63.3	12
06&09	71	70	65	62	59	58	58	61.9	42
12&15	72	71	71	62	59	59	59	62.9	11
18&21	73	72	70	64	61	60	60	64.4	27
TOT	73	72	69	62	59	58	58	62.9	92

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00&03	.0	9.1	.0	72.7	18.2	.0	73	11
06&09	.0	.0	30.0	40.0	.0	30.0	77	10
12&15	.0	.0	18.2	27.3	36.4	18.2	79	11
18&21	.0	33.3	11.1	33.3	22.2	.0	68	9
TOT	0	4	6	18	8	5	75	41

JUNE

PERIOD: (PRIMARY) 1910-1977
(OVER-ALL) 1900-1977

AREA 0021 AMBROSIO AND FELIX ISLS.
25.6S 79.4W

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	57 60	61 64	65 68	69 72	TOT	W FOG	WO FOG
2	.0	.0	.0	2.3	1	.0	2.3
1	.0	2.3	9.3	2.3	6	.0	14.0
0	.0	2.3	4.7	4.7	5	.0	11.6
-1	.0	2.3	.0	.0	1	.0	2.3
-2	.0	7.0	.0	.0	3	.0	7.0
-3	.0	11.6	.0	.0	5	4.7	7.0
-4	.0	14.0	2.3	.0	7	.0	16.3
-5	4.7	18.6	.0	.0	10	.0	23.3
-6	9.3	.0	.0	.0	4	.0	9.3
-7/-8	2.3	.0	.0	.0	1	.0	2.3
TOTAL	7	25	7	4	43	2	41
PCT	16.3	58.1	16.3	9.3	100.0	4.7	95.3

PERIOD: (OVER-ALL) 1963-1977

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	2.7	.0	.0	.0	2.7
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	2.7	.0	.0	.0	2.7

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	7.1	.0	.0	.0	.0	7.1
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	7.1	.0	.0	.0	.0	7.1

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	7.1	7.1	.0	.0	.0	14.3
3-4	.0	.0	3.6	.0	.0	.0	3.6
5-6	.0	3.6	7.1	.0	.0	.0	10.7
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	10.7	17.9	.0	.0	.0	28.6

PERIOD: (OVER-ALL) 1963-1977 JUNE AREA 0021 AMBROSIO AND FELIX ISLS. 25.6S 79.4W

TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

	S							SW						
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0	.0	.9	.0	.0	.0	.0	.9
1-2	.0	.0	3.6	.0	.0	.0	3.6	.0	.0	.0	.0	.0	.0	.0
3-4	.0	3.6	7.1	.0	.0	.0	10.7	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	3.6	10.7	.0	.0	.0	14.3	.0	.9	.0	.0	.0	.0	.9

	W							NW							TOTAL
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	PCT
<1	3.6	2.7	.0	.0	.0	.0	6.3	.0	10.7	.0	.0	.0	.0	10.7	
1-2	2.7	6.3	.0	.0	.0	.0	8.9	.9	.9	3.6	.0	.0	.0	5.4	
3-4	.0	3.6	2.7	.0	.0	.0	6.3	.0	.0	5.4	.0	.0	.0	5.4	
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	6.3	12.5	2.7	.0	.0	.0	21.4	.9	11.6	8.9	.0	.0	.0	21.4	96.4

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	7.1	14.3	.0	.0	.0	.0	21.4	
1-2	3.6	21.4	14.3	.0	.0	.0	39.3	
3-4	.0	7.1	21.4	.0	.0	.0	28.6	
5-6	.0	3.6	7.1	.0	.0	.0	10.7	
7	.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
								28
TOT PCT	10.7	46.4	42.9	.0	.0	.0	100.0	

PERIOD: (OVER-ALL) 1954-1977

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	5.6	2.8	5.6	.0	2.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6	3
6-7	.0	.0	5.6	2.8	.0	.0	2.8	2.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5	6
8-9	.0	.0	.0	22.2	8.3	5.6	.0	.0	8.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	16	7
10-11	.0	.0	.0	2.8	2.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2	6
12-13	.0	.0	8.3	.0	.0	.0	5.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5	6
>13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
INDET	.0	.0	2.8	.0	.0	2.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2	6
TOTAL	2	1	8	10	5	3	3	1	3	0	0	0	0	0	0	0	0	0	0	36	6
PCT	5.6	2.8	22.2	27.8	13.9	8.3	8.3	2.8	8.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

JULY

PERIOD: (PRIMARY) 1910-1977
(OVER-ALL) 1882-1977

AREA 0021 AMBROSIO AND FELIX ISLS.
25.5S 79.5W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0
NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0
E	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	100.0
SE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	100.0
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	100.0
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	100.0
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	100.0
TOT OBS:	12															

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
00&03	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	100.0
06&09	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	100.0
12&15	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	100.0
18&21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	100.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	100.0
TOT OBS:	12															

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	WIND SPEED (KNOTS)									HOUR (GMT)							
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	1.4	2.1	.0	.0	.0	.0		3.5	3.8	.0	.0	3.1	.0	.0	.0	11.1	3.8
NE	.0	.7	.0	.0	.0	.0		.7	5.0	.0	.0	1.0	.0	.0	.0	.0	1.3
E	1.4	1.1	1.1	.0	.0	.0		3.5	7.7	.0	.0	7.3	.0	.0	.0	8.3	.0
SE	2.8	16.2	18.7	2.8	.0	.0		40.5	11.7	40.0	.0	47.9	44.4	33.3	.0	47.2	30.0
S	3.9	9.2	7.7	1.4	.0	.0		22.2	10.2	20.0	.0	14.6	41.7	66.7	.0	11.1	22.5
SW	.4	10.2	2.1	.0	.0	.0		12.7	9.0	40.0	.0	5.2	2.8	.0	.0	22.2	17.5
W	1.4	1.1	1.1	.0	.0	.0		3.5	8.9	.0	.0	7.3	.0	.0	.0	.0	3.8
NW	1.4	1.8	3.2	.0	.0	.0		6.3	10.8	.0	.0	5.2	11.1	.0	.0	.0	11.3
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	7.0							7.0	.0	.0	100.0	8.3	.0	.0	.0	.0	10.0
TOT OBS	14	30	24	3	0	0	71		9.6	5	1	24	9	3	0	9	20
TOT PCT	19.7	42.3	33.8	4.2	.0	.0		100.0		100.0	100.0	100.0	100.0	100.0	.0	100.0	100.0

TABLE 3A

	WIND SPEED (KNOTS)								HOUR (GMT)			
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	06 09	12 15	18 21
N	3.5	.0	.0	.0	.0		3.5	3.8	.0	2.3	.0	6.0
NE	.7	.0	.0	.0	.0		.7	5.0	.0	.8	.0	.9
E	2.5	.0	1.1	.0	.0		3.5	7.7	.0	5.3	.0	2.6
SE	13.0	15.8	10.2	1.4	.0		40.5	11.7	33.3	47.0	33.3	35.3
S	8.1	9.2	4.9	.0	.0		22.2	10.2	16.7	22.0	66.7	19.0
SW	4.6	6.0	2.1	.0	.0		12.7	9.0	33.3	4.5	.0	19.0
W	1.4	1.1	1.1	.0	.0		3.5	8.9	.0	5.3	.0	2.6
NW	1.4	3.2	1.8	.0	.0		6.3	10.8	.0	6.8	.0	7.8
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	7.0						7.0	.0	16.7	6.1	.0	6.9
TOT OBS	30	25	15	1	0	71		9.6	6	33	3	29
TOT PCT	42.3	35.2	21.1	1.4	.0		100.0		100.0	100.0	100.0	100.0

PERIOD: (PRIMARY) 1910-1977
(OVER-ALL) 1882-1977

AREA 0021 AMBROSIO AND FELIX ISLS.
25.5S 79.5W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS) 1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00&03	16.7	.0	50.0	33.3	.0	.0	.0	8.8	100.0	6
06&09	6.1	24.2	36.4	30.3	3.0	.0	.0	8.7	100.0	33
12&15	.0	.0	.0	66.7	33.3	.0	.0	18.3	100.0	3
18&21	6.9	3.4	51.7	34.5	3.4	.0	.0	9.8	100.0	29
TOT	5	9	30	24	3	0	0	9.6		71
PCT	7.0	12.7	42.3	33.8	4.2	.0	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	.0	.0	.0	.0		.0
NE	.0	.0	.0	.0		.0
E	.0	6.8	.0	.0		4.0
SE	.0	2.3	20.5	.0		6.2
S	9.1	.0	25.0	9.1		5.3
SW	18.2	9.1	.0	.0		2.3
W	.0	.0	.0	.0		.0
NW	.0	.0	.0	.0		.0
VAR	.0	.0	.0	.0		.0
CALM	.0	.0	.0	.0		.0
TOT OBS	3	2	5	1	11	4.6
TOT PCT	27.3	18.2	45.5	9.1	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT,NH >4/8) AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

WND DIR	000-149	150-299	300-599	600-999	1000-1999	2000-3499	3500-4999	5000-6499	6500-7999	8000+	NH <5/8 ANY HGT	TOTAL OBS
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
E	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.8	
SE	.0	.0	.0	.0	.0	.0	9.1	.0	2.3	.0	11.4	
S	.0	.0	.0	9.1	.0	16.2	.0	.0	6.8	.0	9.1	
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	27.3	
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT OBS	0	0	0	1	0	2	1	0	1	0	6	11
TOT PCT	.0	.0	.0	9.1	.0	18.2	9.1	.0	9.1	.0	54.5	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) = OR >10	= OR >5	= OR >2	= OR >1	= OR >1/2	= OR >1/4	= OR >50YD	= OR >0
= OR >6500	9.1	9.1	9.1	9.1	9.1	9.1	9.1	9.1
= OR >5000	9.1	9.1	9.1	9.1	9.1	9.1	9.1	9.1
= OR >3500	9.1	18.2	18.2	18.2	18.2	18.2	18.2	18.2
= OR >2000	27.3	36.4	36.4	36.4	36.4	36.4	36.4	36.4
= OR >1000	27.3	36.4	36.4	36.4	36.4	36.4	36.4	36.4
= OR >600	36.4	45.5	45.5	45.5	45.5	45.5	45.5	45.5
= OR >300	36.4	45.5	45.5	45.5	45.5	45.5	45.5	45.5
= OR >150	36.4	45.5	45.5	45.5	45.5	45.5	45.5	45.5
= OR > 0	36.4	45.5	45.5	45.5	45.5	45.5	45.5	45.5
TOTAL	4	5	5	5	5	5	5	5

TOTAL NUMBER OF OBS: 11 PCT FREQ NH <5/8: 54.5

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8 OBSCD	TOTAL OBS
.0	.0	25.0	16.7	8.3	8.3	16.7	8.3	16.7	.0	12

JULY

PERIOD: (PRIMARY) 1910-1977
(OVER-ALL) 1882-1977

AREA 0021 AMBROSIO AND FELIX ISLS.
25.5S 79.5W

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	Se	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
<1/2	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
5<10	NO PCP	.0	.0	.0	8.3	.0	.0	.0	.0	.0	.0	8.3	
	TOT %	.0	.0	.0	8.3	.0	.0	.0	.0	.0	.0	8.3	
	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
10+	NO PCP	.0	.0	6.3	20.8	39.6	25.0	.0	.0	.0	.0	91.7	
	TOT %	.0	.0	6.3	20.8	39.6	25.0	.0	.0	.0	.0	91.7	
	TOT OBS												12
	TOT PCT	.0	.0	6.3	29.2	39.6	25.0	.0	.0	.0	.0	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
<1/2	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
5<10	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	8.3	.0	.0	.0	.0	.0		8.3	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	8.3	.0	.0	.0	.0	.0	.0	8.3	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
10+	4-10	.0	.0	.0	10.4	14.6	25.0	.0	.0	.0		50.0	
	11-21	.0	.0	6.3	10.4	16.7	.0	.0	.0	.0		33.3	
	22+	.0	.0	.0	.0	8.3	.0	.0	.0	.0		8.3	
	TOT %	.0	.0	6.3	20.8	39.6	25.0	.0	.0	.0	.0	91.7	
	TOT OBS												12
	TOT PCT	.0	.0	6.3	29.2	39.6	25.0	.0	.0	.0	.0	100.0	

PERIOD: (PRIMARY) 1910-1977
(OVER-ALL) 1882-1977

AREA 0021 AMBROSIO AND FELIX ISLS.
25.5S 79.5W

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET,NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00&03	.0	.0	.0	25.0	.0	.0	.0	.0	.0	.0	25.0	75.0	4
06&09	.0	.0	.0	.0	.0	.0	.0	.0	50.0	.0	50.0	50.0	2
12&15	.0	.0	.0	.0	.0	33.3	33.3	.0	.0	.0	66.7	33.3	3
18&21	.0	.0	.0	.0	.0	50.0	.0	.0	.0	.0	50.0	50.0	2
TOT	0	0	0	1	0	2	1	0	1	0	5	6	11
PCT	.0	.0	.0	9.1	.0	18.2	9.1	.0	9.1	.0	45.5	54.5	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00&03	.0	.0	.0	.0	.0	100.0	5
06&09	.0	.0	.0	.0	.0	100.0	2
12&15	.0	.0	.0	.0	33.3	66.7	3
18&21	.0	.0	.0	.0	.0	100.0	2
TOT	0	0	0	0	1	11	12
PCT	.0	.0	.0	.0	8.3	91.7	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET,NH >4/8),BY HOUR

HOUR (GMT)	<150 <50YD	<600 <1	<1000 <3	1000+ AND3+	NH <5/8 AND 5+	TOTAL OBS
00&03	.0	.0	25.0	.0	75.0	4
06&09	.0	.0	.0	50.0	50.0	2
12&15	.0	.0	.0	66.7	33.3	3
18&21	.0	.0	.0	50.0	50.0	2
TOT	0	0	1	4	6	11
PCT	.0	.0	9.1	36.4	54.5	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
65/69	.0	.0	.0	8.3	.0	.0	.0	.0	1	8.3
60/64	.0	.0	.0	.0	25.0	50.0	8.3	.0	10	83.3
55/59	.0	.0	.0	.0	8.3	.0	.0	.0	1	8.3
TOTAL	0	0	0	1	4	6	1	0	12	100.0
PCT	.0	.0	.0	8.3	33.3	50.0	8.3	.0		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

	N	NE	E	SE	S	SW	W	NW	VAR	CALM
	.0	.0	.0	.0	.0	.0	.0	.0	.0	8.3
	.0	.0	8.3	18.8	25.0	25.0	.0	.0	.0	8.3
	.0	.0	.0	.0	8.3	.0	.0	.0	.0	.0
	.0	.0	8.3	18.8	33.3	25.0	.0	.0	.0	16.7

TABLE 15

MEANS,EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00&03	63	62	62	61	60	60	60	61.3	6
06&09	64	63	63	60	57	57	57	59.9	34
12&15	64	63	63	62	59	59	59	61.7	3
18&21	78	77	77	63	59	58	58	64.2	29
TOT	78	77	67	61	57	57	57	61.8	72

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00&03	.0	.0	20.0	80.0	.0	.0	72	5
06&09	.0	.0	100.0	.0	.0	.0	68	1
12&15	.0	.0	66.7	.0	33.3	.0	69	3
18&21	.0	33.3	.0	66.7	.0	.0	69	3
TOT	0	1	4	6	1	0	70	12

JULY

PERIOD: (PRIMARY) 1910-1977
(OVER-ALL) 1882-1977

TABLE 17

AREA 0021 AMBROSIO AND FELIX ISLS,
25.5S 79.5W

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	57 60	61 64	TOT	W FOG	WO FOG
2	.0	9.1	1	.0	9.1
0	.0	9.1	1	.0	9.1
-1	.0	9.1	1	.0	9.1
-2	.0	27.3	3	.0	27.3
-3	27.3	.0	3	.0	27.3
-4	.0	18.2	2	.0	18.2
TOTAL	3			0	11
		8	11		
PCT	27.3	72.7	100.0		100.0

PERIOD: (OVER-ALL) 1963-1977

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	8.3	.0	.0	.0	8.3
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	8.3	.0	.0	.0	8.3

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	2.8	.0	.0	.0	2.8
7	.0	.0	22.2	.0	.0	.0	22.2
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	25.0	.0	.0	.0	25.0

PERIOD: (OVER-ALL) 1963-1977

JULY

TABLE 18 (CONT)

AREA 0021 AMBROSIO AND FELIX ISLS. 25.5S 79.5W

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

S

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	11.1	.0	.0	.0	.0	11.1
5-6	.0	.0	11.1	.0	.0	.0	11.1
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	11.1	.0	.0	11.1
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	11.1	11.1	11.1	.0	.0	33.3

SW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	22.2	.0	.0	.0	.0	22.2
1-2	.0	11.1	.0	.0	.0	.0	11.1
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	33.3	.0	.0	.0	.0	33.3

W

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0

NW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0

HGT	TOTAL PCT
<1	
1-2	
3-4	
5-6	
7	
8-9	
10-11	
12	
13-16	
17-19	
20-22	
23-25	
26-32	
33-40	
41-48	
49-60	
61-70	
71-86	
87+	
TOT PCT	100.0

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	.0	22.2	.0	.0	.0	.0	22.2	
1-2	.0	11.1	.0	.0	.0	.0	11.1	
3-4	.0	11.1	.0	.0	.0	.0	11.1	
5-6	.0	.0	22.2	.0	.0	.0	22.2	
7	.0	.0	22.2	.0	.0	.0	22.2	
8-9	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	11.1	.0	.0	11.1	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.0	44.4	44.4	11.1	.0	.0	100.0	9

PERIOD: (OVER-ALL) 1964-1977

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	.0	.0	.0	11.1	22.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3	6
6-7	.0	11.1	11.1	.0	11.1	.0	11.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4	6
8-9	.0	.0	.0	.0	11.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	7
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
12-13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
>13	.0	.0	.0	.0	.0	.0	.0	11.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	11
INDET	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
TOTAL	0	1	1	1	4	0	1	1	0	0	0	0	0	0	0	0	0	0	0	9	7
PCT	.0	11.1	11.1	11.1	44.4	.0	11.1	11.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

AUGUST

PERIOD: (PRIMARY) 1911-1977
(OVER-ALL) 1882-1977

AREA 0021 AMBROSIO AND FELIX ISLS.
25.7S 79.6W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

	PRECIPITATION TYPE									OTHER WEATHER PHENOMENA					
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST BLWG SNOW	NO SIG WEA
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
E	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
SE	.0	.0	.0	.0	.0	.0	.0	.0	14.0	.0	.0	.0	.0	.0	86.0
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0	.0	6.1	.0	.0	.0	.0	.0	93.9
TOT OBS:	33														

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

	PRECIPITATION TYPE									OTHER WEATHER PHENOMENA					
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST BLWG SNOW	NO SIG WEA
00&03	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
06&09	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
12&15	.0	.0	.0	.0	.0	.0	.0	.0	11.1	.0	.0	.0	.0	.0	88.9
18&21	.0	.0	.0	.0	.0	.0	.0	.0	11.1	.0	.0	.0	.0	.0	88.9
TOT PCT	.0	.0	.0	.0	.0	.0	.0	.0	6.1	.0	.0	.0	.0	.0	93.9
TOT OBS:	33														

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	WIND SPEED (KNOTS)									HOUR (GMT)							
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	1.1	.5	1.1	.0	.0	.0		2.7	9.0	.0	.0	.0	.0	.0	.0	16.7	2.5
NE	1.1	1.6	.0	.0	.0	.0		2.7	3.8	.0	.0	.0	5.0	.0	.0	.0	7.5
E	.8	1.9	2.4	.0	.0	.0		5.1	11.0	10.7	.0	.0	8.8	.0	.0	6.3	7.5
SE	1.3	10.6	27.7	4.8	.0	.0		44.4	14.6	60.7	.0	42.0	46.3	50.0	.0	39.6	40.0
S	1.9	16.2	4.8	1.6	.0	.0		24.5	10.2	.0	.0	28.0	18.8	47.5	.0	20.8	25.0
SW	1.3	5.3	1.3	.0	.0	.0		8.0	8.3	14.3	.0	10.0	6.3	2.5	.0	8.3	7.5
W	.0	3.7	2.1	.8	.0	.0		6.6	14.0	.0	.0	12.0	7.5	.0	.0	6.3	5.0
NW	1.1	.5	3.2	.3	.0	.0		5.1	11.0	14.3	.0	4.0	7.5	.0	.0	2.1	5.0
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	1.1							1.1	.0	.0	.0	4.0	.0	.0	.0	.0	.0
TOT OBS	9	38	40	7	0	0	94		12.0	7	0	25	20	10	0	12	20
TOT PCT	9.6	40.4	42.6	7.4	.0	.0		100.0		100.0	.0	100.0	100.0	100.0	.0	100.0	100.0

TABLE 3A

	WIND SPEED (KNOTS)								HOUR (GMT)			
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	06 09	12 15	18 21
N	1.6	.0	1.1	.0	.0		2.7	9.0	.0	.0	.0	7.8
NE	2.7	.0	.0	.0	.0		2.7	3.8	.0	2.2	.0	4.7
E	.8	3.5	.8	.0	.0		5.1	11.0	10.7	3.9	.0	7.0
SE	4.5	21.8	17.0	1.1	.0		44.4	14.6	60.7	43.9	50.0	39.8
S	6.6	14.4	2.4	1.1	.0		24.5	10.2	.0	23.9	47.5	23.4
SW	1.9	6.1	.0	.0	.0		8.0	8.3	14.3	8.3	2.5	7.8
W	.0	3.7	2.1	.8	.0		6.6	14.0	.0	10.0	.0	5.5
NW	1.1	3.7	.0	.3	.0		5.1	11.0	14.3	5.6	.0	3.9
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	1.1						1.1	.0	.0	2.2	.0	.0
TOT OBS	19	50	22	3	0	94		12.0	7	45	10	32
TOT PCT	20.2	53.2	23.4	3.2	.0		100.0		100.0	100.0	100.0	100.0

AUGUST

PERIOD: (PRIMARY) 1911-1977
(OVER-ALL) 1882-1977

AREA 0021 AMBROSIO AND FELIX ISLS.
25.7S 79.6W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS) 1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00609	.0	.0	14.3	85.7	.0	.0	.0	15.4	100.0	7
06609	2.2	6.7	46.7	35.6	8.9	.0	.0	11.7	100.0	45
12615	.0	.0	40.0	60.0	.0	.0	.0	12.8	100.0	10
18621	.0	15.6	37.5	37.5	9.4	.0	.0	11.5	100.0	32
TOT	1	8	38	40	7	0	0	12.0		94
PCT	1.1	8.5	40.4	42.6	7.4	.0	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	.0	.0	3.7	.0		6.0
NE	.0	.0	.0	.0		.0
E	.0	.0	2.8	2.8		7.0
SE	.0	3.7	19.4	65.0		6.9
S	2.8	11.1	6.5	5.6		4.6
SW	.9	.0	4.6	.0		5.6
W	3.7	.0	.0	2.8		4.0
NW	.0	.0	.0	.9		8.0
VAR	.0	.0	.0	.0		.0
CALM	.0	.0	.0	3.7		8.0
TOT OBS	2	4	10	11	27	6.1
TOT PCT	7.4	14.8	37.0	40.7	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT,NH >4/8) AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

WND DIR	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	TOTAL OBS
N	.0	.0	.0	3.7	.0	.0	.0	.0	.0	.0	.0	
NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
E	.0	.0	.0	2.8	2.8	.0	.0	.0	.0	.0	.0	
SE	.0	.0	.0	15.7	5.6	4.6	3.7	.0	.0	.0	18.5	
S	.0	.0	.0	3.7	5.6	2.8	.0	.0	.0	.0	13.9	
SW	.0	.0	.0	3.7	.9	.0	.0	.0	.0	.0	.9	
W	.0	.0	.0	2.8	.0	.0	.0	.0	.0	.0	3.7	
NW	.0	.0	.0	.9	.0	.0	.0	.0	.0	.0	.0	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.0	.0	.0	.0	.0	3.7	.0	.0	.0	.0	
TOT OBS	0	0	0	9	4	2	2	0	0	0	10	27
TOT PCT	.0	.0	.0	33.3	14.8	7.4	7.4	.0	.0	.0	37.0	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) ■ OR >10	■ OR >5	■ OR >2	■ OR >1	■ OR >1/2	■ OR >1/4	■ OR >0YD	■ OR >0
■ OR >6500	.0	.0	.0	.0	.0	.0	.0	.0
■ OR >5000	.0	.0	.0	.0	.0	.0	.0	.0
■ OR >3500	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4
■ OR >2000	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8
■ OR >1000	25.9	25.9	29.6	29.6	29.6	29.6	29.6	29.6
■ OR >600	55.6	59.3	63.0	63.0	63.0	63.0	63.0	63.0
■ OR >300	55.6	59.3	63.0	63.0	63.0	63.0	63.0	63.0
■ OR >150	55.6	59.3	63.0	63.0	63.0	63.0	63.0	63.0
■ OR > 0	55.6	59.3	63.0	63.0	63.0	63.0	63.0	63.0
TOTAL	15	16	17	17	17	17	17	17

TOTAL NUMBER OF OBS: 27 PCT FREQ NH <5/8: 37.0

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	OBSCD	TOTAL OBS
.0	6.5	.0	12.9	12.9	6.5	9.7	12.9	38.7	.0	31

AUGUST

PERIOD: (PRIMARY) 1911-1977
(OVER-ALL) 1882-1977

TABLE 8

AREA 0021 AMBROSIO AND FELIX ISLS.
25.7S 79.6W

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	3.0	.0	.0	.0	.0	.0	.0	3.0	
	TOT %	.0	.0	.0	3.0	.0	.0	.0	.0	.0	.0	3.0	
5<10	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	3.8	5.3	.0	2.3	.8	.0	.0	12.1	
	TOT %	.0	.0	.0	3.8	5.3	.0	2.3	.8	.0	.0	12.1	
10+	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	6.1	.0	4.5	36.4	21.2	7.6	3.0	3.0	.0	3.0	84.8	
	TOT %	6.1	.0	4.5	36.4	21.2	7.6	3.0	3.0	.0	3.0	84.8	
	TOT OBS												33
	TOT PCT	6.1	.0	4.5	43.2	26.5	7.6	5.3	3.8	.0	3.0	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	3.0	.0	.0	.0	.0	.0		3.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	3.0	.0	.0	.0	.0	.0	.0	3.0	
5<10	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	3.8	5.3	.0	.0	.0	.0		9.1	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	2.3	.8	.0		3.0	
	TOT %	.0	.0	.0	3.8	5.3	.0	2.3	.8	.0	.0	12.1	
10+	0-3	3.0	.0	2.3	.8	.0	.0	.0	.0	.0	3.0	9.1	
	4-10	.0	.0	.0	3.8	10.6	6.8	.0	.0	.0		21.2	
	11-21	3.0	.0	2.3	31.8	10.6	.8	3.0	3.0	.0		54.5	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	6.1	.0	4.5	36.4	21.2	7.6	3.0	3.0	.0	3.0	84.8	
	TOT OBS												33
	TOT PCT	6.1	.0	4.5	43.2	26.5	7.6	5.3	3.8	.0	3.0	100.0	

AUGUST

PERIOD: (PRIMARY) 1911-1977
(OVER-ALL) 1882-1977

AREA 0021 AMBROSIO AND FELIX ISLS, 25.7S 79.6W

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET,NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00603	.0	.0	.0	33.3	33.3	16.7	.0	.0	.0	.0	83.3	16.7	6
06609	.0	.0	.0	33.3	.0	.0	16.7	.0	.0	.0	50.0	50.0	6
12615	.0	.0	.0	25.0	12.5	12.5	.0	.0	.0	.0	50.0	50.0	8
18621	.0	.0	.0	42.9	14.3	.0	14.3	.0	.0	.0	71.4	28.6	7
TOT	0	0	0	9	4	2	2	0	0	0	17	10	27
PCT	.0	.0	.0	33.3	14.8	7.4	7.4	.0	.0	.0	63.0	37.0	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00603	.0	.0	.0	14.3	.0	85.7	7
06609	.0	.0	.0	.0	12.5	87.5	8
12615	.0	.0	.0	.0	11.1	88.9	9
18621	.0	.0	.0	.0	22.2	77.8	9
TOT	0	0	0	1	4	28	33
PCT	.0	.0	.0	3.0	12.1	84.8	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET,NH >4/8),BY HOUR

HOUR (GMT)	<150 <500YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL OBS
00603	.0	.0	50.0	33.3	16.7	6
06609	.0	.0	33.3	16.7	50.0	6
12615	.0	.0	25.0	25.0	50.0	8
18621	.0	.0	42.9	28.6	28.6	7
TOT	0	0	10	7	10	27
PCT	.0	.0	37.0	25.9	37.0	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
65/69	.0	.0	.0	.0	.0	3.8	.0	.0	1	3.8
60/64	.0	.0	.0	.0	7.7	11.5	3.8	7.7	8	30.8
55/59	.0	.0	.0	.0	11.5	23.1	19.2	11.5	17	65.4
TOTAL	0	0	0	0	5	10	6	5	26	100.0
PCT	.0	.0	.0	.0	19.2	38.5	23.1	19.2		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

	N	NE	E	SE	S	SW	W	NW	VAR	CALM
	3.8	.0	.0	.0	.0	.0	.0	.0	.0	.0
	.0	.0	3.8	6.7	6.7	3.8	6.7	1.0	.0	.0
	.0	.0	.0	44.2	17.3	3.8	.0	.0	.0	.0
	3.8	.0	3.8	51.0	24.0	7.7	6.7	1.0	.0	.0

TABLE 15

MEANS,EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00603	63	62	62	59	57	57	57	58.9	7
06609	64	63	63	59	56	54	54	59.4	44
12615	64	63	63	59	55	55	55	59.0	10
18621	65	65	64	61	57	55	55	60.6	29
TOT	65	64	64	59	56	54	54	59.7	90

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00603	.0	.0	16.7	33.3	33.3	16.7	80	6
06609	.0	.0	20.0	40.0	20.0	20.0	79	5
12615	.0	.0	28.6	42.9	14.3	14.3	79	7
18621	.0	.0	12.5	37.5	25.0	25.0	81	8
TOT	0	0	5	10	6	5	80	26

AUGUST

PERIOD: (PRIMARY) 1911-1977
(OVER-ALL) 1882-1977

AREA 0021 AMBROSIO AND FELIX ISLS.
25.7S 79.6W

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	53 56	57 60	61 64	65 68	TOT	W FOG	WO FOG
5	.0	.0	3.2	.0	1	.0	3.2
1	.0	3.2	.0	3.2	2	.0	6.5
0	.0	.0	3.2	.0	1	.0	3.2
-1	.0	6.5	6.5	.0	4	.0	12.9
-2	.0	3.2	3.2	.0	2	.0	6.5
-3	.0	9.7	.0	.0	3	.0	9.7
-4	.0	19.4	.0	.0	6	.0	19.4
-5	.0	19.4	.0	.0	6	.0	19.4
-6	9.7	.0	.0	.0	3	.0	9.7
-7/-8	.0	9.7	.0	.0	3	.0	9.7
TOTAL	3		5			0	31
		22		1	31		
PCT	9.7	71.0	16.1	3.2	100.0		100.0

PERIOD: (OVER-ALL) 1963-1977

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	4.5	.0	.0	.0	.0	.0	4.5
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	4.5	.0	.0	.0	.0	.0	4.5

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	3.4	.0	.0	.0	.0	.0	3.4
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	3.4	.0	.0	.0	3.4
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	3.4	.0	3.4	.0	.0	.0	6.8

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	1.1	.0	.0	.0	.0	.0	1.1
1-2	.0	4.5	18.2	.0	.0	.0	22.7
3-4	.0	2.3	19.3	.0	.0	.0	21.6
5-6	.0	.0	14.8	.0	.0	.0	14.8
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.1	6.8	52.3	.0	.0	.0	60.2

PERIOD: (OVER-ALL) 1963-1977

AUGUST

AREA 0021 AMBROSIO AND FELIX ISLS. 25.7S 79.6W

TABLE 1d (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

S

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	11.4	3.4	.0	.0	.0	14.8
5-6	.0	.0	4.5	.0	.0	.0	4.5
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	11.4	8.0	.0	.0	.0	19.3

SW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	4.5	.0	.0	.0	.0	4.5
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	4.5	.0	.0	.0	.0	4.5

W

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	3.4	.0	.0	3.4
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	3.4	.0	.0	3.4

NW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	.0	.0	.0	.0	.0	.0	.0	
1-2	.0	.0	.0	.0	.0	.0	.0	
3-4	.0	.0	.0	.0	.0	.0	.0	
5-6	.0	.0	.0	.0	.0	.0	.0	
7	.0	.0	.0	1.1	.0	.0	1.1	
8-9	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.0	.0	.0	1.1	.0	.0	1.1	100.0

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	9.1	.0	.0	.0	.0	.0	9.1	
1-2	.0	9.1	18.2	.0	.0	.0	27.3	
3-4	.0	13.6	22.7	.0	.0	.0	36.4	
5-6	.0	.0	22.7	.0	.0	.0	22.7	
7	.0	.0	.0	4.5	.0	.0	4.5	
8-9	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	9.1	22.7	63.6	4.5	.0	.0	100.0	22

PERIOD: (OVER-ALL) 1954-1977

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	.0	.0	.0	7.7	7.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4	6
6-7	.0	.0	7.7	.0	.0	.0	3.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3	5
8-9	.0	.0	3.8	3.8	.0	.0	3.8	.0	3.8	.0	.0	3.8	.0	.0	.0	.0	.0	.0	.0	5	11
10-11	.0	.0	.0	3.8	.0	15.4	.0	.0	3.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6	9
12-13	.0	.0	.0	.0	.0	15.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4	8
>13	.0	.0	.0	.0	.0	3.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	8
INDET	.0	.0	.0	11.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3	5
TOTAL	0	0	3	7	2	9	2	0	2	0	0	1	0	0	0	0	0	0	0	26	8
PCT	.0	.0	11.5	26.9	7.7	34.6	7.7	.0	7.7	.0	.0	3.8	.0	.0	.0	.0	.0	.0	.0	100.0	

SEPTEMBER

PERIOD: (PRIMARY) 1910-1975
(OVER-ALL) 1883-1975

AREA 0021 AMBROSIO AND FELIX ISLS.
25.6S 79.5W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

	PRECIPITATION TYPE									OTHER WEATHER PHENOMENA					
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG	DUST SNOW	NO SIG WEA
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
E	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
SE	2.4	.0	.0	.0	.0	.0	.0	2.4	.0	.0	.0	.0	.0	.0	.0	97.6
S	5.2	.0	.0	.0	.0	.0	.0	5.2	.0	.0	.0	.0	.0	.0	.0	94.8
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	3.2	.0	.0	.0	.0	.0	.0	3.2	.0	.0	.0	.0	.0	.0	.0	96.8
TOT OBS:	31															

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

	PRECIPITATION TYPE									OTHER WEATHER PHENOMENA					
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG	DUST SNOW	NO SIG WEA
00&03	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
06&09	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
12&15	12.5	.0	.0	.0	.0	.0	.0	12.5	.0	.0	.0	.0	.0	.0	.0	87.5
18&21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
TOT PCT	3.1	.0	.0	.0	.0	.0	.0	3.1	.0	.0	.0	.0	.0	.0	.0	96.9
TOT OBS:	32															

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	WIND SPEED (KNOTS)									HOUR (GMT)							
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	.9	.0	.0	.0	.0	.0		.9	2.0	.0	.0	3.1	.0	.0	.0	.0	.0
NE	.3	.3	.0	.0	.0	.0		.6	3.5	.0	.0	1.0	.0	5.0	.0	.0	.0
E	.0	2.0	1.7	.9	.0	.0		4.7	12.1	9.4	.0	4.2	.0	30.0	25.0	.0	.0
SE	2.3	11.6	38.1	4.4	.0	.0		56.4	14.5	21.9	.0	66.7	66.7	50.0	41.7	60.0	55.0
S	.0	15.4	14.8	.6	.0	.0		30.8	11.4	50.0	100.0	24.0	20.0	15.0	33.3	40.0	35.0
SW	.0	2.0	1.2	.0	.0	.0		3.2	8.7	18.8	.0	1.0	.0	.0	.0	.0	5.0
W	.0	.0	2.3	.0	.0	.0		2.3	13.0	.0	.0	.0	13.3	.0	.0	.0	.0
NW	.0	.0	1.2	.0	.0	.0		1.2	13.0	.0	.0	.0	.0	.0	.0	.0	5.0
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0							.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT OBS	3	27	51	5	0	0	86		13.0	8	1	24	15	5	3	10	20
TOT PCT	3.5	31.4	59.3	5.8	.0	.0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

	WIND SPEED (KNOTS)								HOUR (GMT)			
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	06 09	12 15	18 21
N	.9	.0	.0	.0	.0		.9	2.0	.0	1.9	.0	.0
NE	.6	.0	.0	.0	.0		.6	4.5	.0	.6	3.1	.0
E	2.0	.9	1.7	.0	.0		4.7	12.1	8.3	2.6	28.1	.0
SE	5.8	24.4	25.0	1.2	.0		56.4	14.5	19.4	66.7	46.9	56.7
S	6.7	17.2	7.0	.0	.0		30.8	11.4	55.6	22.4	21.9	36.7
SW	.3	2.9	.0	.0	.0		3.2	8.7	16.7	.6	.0	3.3
W	.0	2.3	.0	.0	.0		2.3	13.0	.0	5.1	.0	.0
NW	.0	1.2	.0	.0	.0		1.2	13.0	.0	.0	.0	3.3
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	.0						.0	.0	.0	.0	.0	.0
TOT OBS	14	42	29	1	0	86		13.0	9	39	8	30
TOT PCT	16.3	48.8	33.7	1.2	.0		100.0		100.0	100.0	100.0	100.0

SEPTEMBER

PERIOD: (PRIMARY) 1910-1975
(OVER-ALL) 1883-1975

AREA 0021 AMBROSIO AND FELIX ISLS.
25.6S 79.5W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS) 1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00&03	.0	.0	44.4	44.4	11.1	.0	.0	11.8	100.0	9
06&09	.0	5.1	23.1	64.1	7.7	.0	.0	13.8	100.0	39
12&15	.0	.0	25.0	75.0	.0	.0	.0	13.7	100.0	8
18&21	.0	3.3	40.0	53.3	3.3	.0	.0	12.2	100.0	30
TOT	0	3	27	51	5	0	0	13.0		86
PCT	.0	3.5	31.4	59.3	5.8	.0	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	.0	.0	.0	.0		.0
NE	.0	.0	.0	.8		8.0
E	.0	.0	7.5	2.5		7.0
SE	.0	7.5	13.3	10.8		6.1
S	2.5	10.8	19.2	15.8		5.7
SW	.8	1.7	3.3	3.3		6.0
W	.0	.0	.0	.0		.0
NW	.0	.0	.0	.0		.0
VAR	.0	.0	.0	.0		.0
CALM	.0	.0	.0	.0		.0
TOT OBS	1	6	13	10	30	6.0
TOT PCT	3.3	20.0	43.3	33.3	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT,NH >4/8) AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

WND DIR	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	TOTAL OBS
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
NE	.0	.0	.0	.0	.0	.8	.0	.0	.0	.0	.0	
E	.0	.0	.0	2.5	.0	7.5	.0	.0	.0	.0	.0	
SE	.0	.0	.0	4.2	11.7	5.0	3.3	.0	.0	.0	7.5	
S	.0	.0	.0	.0	31.7	.0	.0	.0	.0	3.3	13.3	
SW	.0	.0	.0	3.3	3.3	.0	.0	.0	.0	.0	2.5	
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT OBS	0	0	0	3	14	4	1	0	0	1	7	30
TOT PCT	.0	.0	.0	10.0	46.7	13.3	3.3	.0	.0	3.3	23.3	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) = OR >10	= OR >5	= OR >2	= OR >1	= OR >1/2	= OR >1/4	= OR >50YD	= OR >0
= OR >6500	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
= OR >5000	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
= OR >3300	3.2	6.5	6.5	6.5	6.5	6.5	6.5	6.5
= OR >2000	16.1	19.4	19.4	19.4	19.4	19.4	19.4	19.4
= OR >1000	54.8	64.5	64.5	64.5	64.5	64.5	64.5	64.5
= OR >600	64.5	74.2	74.2	74.2	74.2	74.2	74.2	74.2
= OR >300	64.5	74.2	74.2	74.2	74.2	74.2	74.2	74.2
= OR >150	64.5	74.2	74.2	74.2	74.2	74.2	74.2	74.2
= OR > 0	64.5	74.2	74.2	74.2	74.2	74.2	74.2	74.2
TOTAL	20	23	23	23	23	23	23	23

TOTAL NUMBER OF OBS: 31

PCT FREQ NH <5/8: 25.8

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8 OBSCD	TOTAL OBS
3.2	.0	6.5	16.1	.0	6.5	22.6	19.4	25.8	.0	31

SEPTEMBER

PERIOD: (PRIMARY) 1910-1975
(OVER-ALL) 1883-1975

AREA 0021 AMBROSIO AND FELIX ISLS.
25.6S 79.5W

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
5<10	PCP	.0	.0	.0	.8	2.4	.0	.0	.0	.0	.0	3.2	
	NO PCP	.0	.0	.0	3.2	3.2	.0	.0	.0	.0	.0	6.5	
	TOT %	.0	.0	.0	4.0	5.6	.0	.0	.0	.0	.0	9.7	
10+	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.8	9.7	29.8	41.1	8.9	.0	.0	.0	.0	90.3	
	TOT %	.0	.8	9.7	29.8	41.1	8.9	.0	.0	.0	.0	90.3	
	TOT OBS												31
	TOT PCT	.0	.8	9.7	33.9	46.8	8.9	.0	.0	.0	.0	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
5<10	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	4.0	5.6	.0	.0	.0	.0		9.7	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	4.0	5.6	.0	.0	.0	.0	.0	9.7	
10+	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.8	2.4	3.2	26.6	5.6	.0	.0	.0		38.7	
	11-21	.0	.0	4.8	22.6	14.5	3.2	.0	.0	.0		45.2	
	22+	.0	.0	2.4	4.0	.0	.0	.0	.0	.0		6.5	
	TOT %	.0	.8	9.7	29.8	41.1	8.9	.0	.0	.0	.0	90.3	
	TOT OBS												31
	TOT PCT	.0	.8	9.7	33.9	46.8	8.9	.0	.0	.0	.0	100.0	

SEPTEMBER

PERIOD: (PRIMARY) 1910-1975
(OVER-ALL) 1883-1975

AREA 0021 AMBROSIO AND FELIX ISLS.
25.6S 79.5W

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET,NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00&03	.0	.0	.0	12.5	37.5	12.5	.0	.0	.0	.0	62.5	37.5	8
06&09	.0	.0	.0	.0	33.3	.0	.0	.0	.0	.0	33.3	66.7	6
12&15	.0	.0	.0	12.5	37.5	37.5	12.5	.0	.0	.0	100.0	.0	8
18&21	.0	.0	.0	11.1	66.7	.0	.0	.0	.0	11.1	88.9	11.1	9
TOT	0	0	0	3	14	4	1	0	0	1	23	8	31
PCT	.0	.0	.0	9.7	45.2	12.9	3.2	.0	.0	3.2	74.2	25.8	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00&03	.0	.0	.0	.0	.0	100.0	9
06&09	.0	.0	.0	.0	16.7	83.3	6
12&15	.0	.0	.0	.0	25.0	75.0	8
18&21	.0	.0	.0	.0	.0	100.0	9
TOT	0	0	0	0	3	29	32
PCT	.0	.0	.0	.0	9.4	90.6	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET,NH >4/8),BY HOUR

HOUR (GMT)	<150 <5000	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL OBS
00&03	.0	.0	12.5	50.0	37.5	8
06&09	.0	.0	.0	33.3	66.7	6
12&15	.0	.0	12.5	87.5	.0	8
18&21	.0	.0	11.1	77.8	11.1	9
TOT	0	0	3	20	8	31
PCT	.0	.0	9.7	64.5	25.8	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
70/74	.0	.0	.0	.0	.0	.0	3.6	.0	1	3.6
65/69	.0	7.1	.0	.0	.0	.0	.0	.0	2	7.1
60/64	.0	.0	.0	3.6	10.7	25.0	3.6	3.6	13	46.4
55/59	.0	.0	.0	.0	.0	10.7	21.4	10.7	12	42.9
TOTAL	0	2	0	1	3	10	8	4	28	100.0
PCT	.0	7.1	.0	3.6	10.7	35.7	28.6	14.3		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

	N	NE	E	SE	S	SW	W	NW	VAR	CALM
	.0	.0	.0	.0	.0	3.6	.0	.0	.0	.0
	.0	.0	2.7	4.5	.0	.0	.0	.0	.0	.0
	.0	.0	2.7	18.8	20.5	4.5	.0	.0	.0	.0
	.0	.0	.0	9.8	31.3	1.8	.0	.0	.0	.0
	.0	.0	5.4	33.0	51.8	9.8	.0	.0	.0	.0

TABLE 15

MEANS,EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00&03	70	69	69	60	57	57	57	61.2	9
06&09	72	71	63	59	56	55	55	59.3	40
12&15	76	75	75	60	56	56	56	62.0	7
18&21	67	66	65	60	58	57	57	60.9	28
TOT	76	75	66	60	57	55	55	60.3	84

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00&03	.0	11.1	.0	22.2	44.4	22.2	80	9
06&09	.0	.0	.0	20.0	60.0	20.0	87	5
12&15	.0	20.0	20.0	40.0	.0	20.0	71	5
18&21	.0	11.1	22.2	55.6	11.1	.0	69	9
TOT	0	3	3	10	8	4	76	28

SEPTEMBER

PERIOD: (PRIMARY) 1910-1975
(OVER-ALL) 1883-1975

TABLE 17

AREA 0021 AMBROSIO AND FELIX ISLS, 25.6S 79.5W

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	53 56	57 60	61 64	65 68	69 72	TOT	W FOG	WO FOG
5	.0	.0	.0	3.4	3.4	2	.0	6.9
3	.0	.0	6.9	3.4	.0	3	.0	10.3
0	.0	6.9	6.9	.0	.0	4	.0	13.8
-1	.0	.0	3.4	.0	.0	1	.0	3.4
-2	.0	10.3	6.9	.0	.0	5	.0	17.2
-3	.0	13.8	.0	.0	.0	4	.0	13.8
-4	.0	6.9	.0	.0	.0	2	.0	6.9
-5	3.4	3.4	3.4	.0	.0	3	.0	10.3
-6	.0	13.8	.0	.0	.0	4	.0	13.8
-7/-8	.0	3.4	.0	.0	.0	1	.0	3.4
TOTAL	1		8		1	29	0	29
		17		2				
PCT	3.4	58.6	27.6	6.9	3.4	100.0		100.0

PERIOD: (OVER-ALL) 1963-1975

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	4.3	.0	.0	.0	4.3
3-4	.0	4.3	9.8	.0	.0	.0	14.1
5-6	.0	.0	2.2	.0	.0	.0	2.2
7	.0	.0	8.7	1.1	.0	.0	9.8
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	4.3	.0	.0	4.3
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	4.3	25.0	5.4	.0	.0	34.8

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	3.3	.0	.0	.0	3.3
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	3.3	.0	.0	3.3
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	3.3	3.3	.0	.0	6.5

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	4.3	.0	.0	.0	4.3
3-4	.0	4.3	9.8	.0	.0	.0	14.1
5-6	.0	.0	2.2	.0	.0	.0	2.2
7	.0	.0	8.7	1.1	.0	.0	9.8
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	4.3	.0	.0	4.3
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	25.0	5.4	.0	.0	34.8

PERIOD: (OVER-ALL) 1964-1975 SEPTEMBER AREA 0021 AMBROSIO AND FELIX ISLS. 25.6S 79.5W

TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

S

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	21.7	.0	.0	.0	.0	21.7
3-4	.0	6.5	.0	.0	.0	.0	6.5
5-6	.0	.0	23.9	.0	.0	.0	23.9
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	28.3	23.9	.0	.0	.0	52.2

SW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	4.3	.0	.0	.0	.0	4.3
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	2.2	.0	.0	.0	.0	2.2
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	6.5	.0	.0	.0	.0	6.5

W

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0

NW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	.0	.0	.0	.0	.0	.0	.0	
1-2	.0	.0	.0	.0	.0	.0	.0	
3-4	.0	.0	.0	.0	.0	.0	.0	
5-6	.0	.0	.0	.0	.0	.0	.0	
7	.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.0	.0	.0	.0	.0	.0	.0	100.0

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	.0	4.3	.0	.0	.0	.0	4.3	
1-2	.0	21.7	4.3	.0	.0	.0	26.1	
3-4	.0	13.0	13.0	.0	.0	.0	26.1	
5-6	.0	.0	26.1	.0	.0	.0	26.1	
7	.0	.0	8.7	4.3	.0	.0	13.0	
8-9	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	4.3	.0	.0	4.3	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.0	39.1	52.2	8.7	.0	.0	100.0	23

PERIOD: (OVER-ALL) 1951-1975

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	.0	20.0	6.7	.0	3.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	9	3
6-7	.0	.0	.0	10.0	6.7	.0	.0	.0	10.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	8	9
8-9	.0	.0	.0	.0	3.3	6.7	3.3	3.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5	9
10-11	.0	.0	.0	6.7	3.3	.0	.0	.0	3.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4	8
12-13	.0	.0	.0	.0	3.3	3.3	.0	.0	6.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4	10
>13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
INDET	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
TOTAL	0	6	2	5	6	3	1	1	6	0	0	0	0	0	0	0	0	0	0	30	7
PCT	.0	20.0	6.7	16.7	20.0	10.0	3.3	3.3	20.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

OCTOBER

PERIOD: (PRIMARY) 1910-1977
(OVER-ALL) 1882-1977

AREA 0021 AMBROSIO AND FELIX ISLS.
25.5S 79.5W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
E	.0	.0	.0	.0	.0	.0	.0	.0	100.0	.0	.0	.0	.0	.0	.0	.0
SE	.0	.0	.0	.0	.0	.0	.0	.0	1.7	.0	.0	.0	.0	.0	.0	98.3
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0	.0	3.4	.0	.0	.0	.0	.0	.0	96.6
TOT OBS:	29															

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
00603	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
06609	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
12615	.0	.0	.0	.0	.0	.0	.0	.0	33.3	.0	.0	.0	.0	.0	.0	66.7
18621	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0	.0	3.4	.0	.0	.0	.0	.0	.0	96.6
TOT OBS:	29															

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	WIND SPEED (KNOTS)									HOUR (GMT)							
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	.0	3.5	.0	.0	.0	.0		3.5	6.0	.0	.0	.0	9.5	.0	.0	.0	9.1
NE	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
E	.0	.7	.0	.0	.0	.0		.7	7.0	.0	.0	.0	.0	25.0	.0	.0	.0
SE	3.5	19.7	31.4	5.3	.0	.0		59.9	12.6	45.0	.0	66.7	57.1	75.0	.0	58.3	59.1
S	.9	8.3	14.3	.9	.0	.0		24.3	12.8	35.0	.0	23.7	32.1	.0	.0	18.1	22.7
SW	1.8	1.1	2.6	.0	.0	.0		5.5	8.6	10.0	100.0	9.6	1.2	.0	.0	1.4	.0
W	.0	2.4	1.5	.0	.0	.0		3.9	8.5	10.0	.0	.0	.0	.0	.0	13.9	4.5
NW	.0	1.1	.2	.0	.0	.0		1.3	8.3	.0	.0	.0	.0	.0	.0	8.3	.0
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.9							.9	.0	.0	.0	.0	.0	.0	.0	.0	4.5
TOT OBS	8	42	57	7	0	0	114		11.8	10	1	39	21	3	0	18	22
TOT PCT	7.0	36.8	50.0	6.1	.0	.0		100.0		100.0	100.0	100.0	100.0	100.0	.0	100.0	100.0

TABLE 3A

	WIND SPEED (KNOTS)								HOUR (GMT)			
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	06 09	12 15	18 21
N	2.6	.9	.0	.0	.0		3.5	6.0	.0	3.3	.0	5.0
NE	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
E	.0	.7	.0	.0	.0		.7	7.0	.0	.0	25.0	.0
SE	11.4	30.7	17.8	.0	.0		59.9	12.6	40.9	63.3	75.0	58.8
S	1.5	16.2	6.6	.0	.0		24.3	12.8	31.8	26.7	.0	20.6
SW	2.9	2.4	.2	.0	.0		5.5	8.6	18.2	6.7	.0	.6
W	1.5	2.4	.0	.0	.0		3.9	8.5	9.1	.0	.0	8.8
NW	.2	1.1	.0	.0	.0		1.3	8.3	.0	.0	.0	3.8
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	.9						.9	.0	.0	.0	.0	2.5
TOT OBS	24	62	28	0	0	114		11.8	11	60	3	40
TOT PCT	21.1	54.4	24.6	.0	.0		100.0		100.0	100.0	100.0	100.0

OCTOBER

PERIOD: (PRIMARY) 1910-1977
(OVER-ALL) 1882-1977

AREA 0021 AMBROSIO AND FELIX ISLS.
25.5S 79.5W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS) 1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00&03	.0	.0	36.4	54.5	9.1	.0	.0	13.9	100.0	11
06&09	.0	8.3	28.3	55.0	8.3	.0	.0	12.5	100.0	60
12&15	.0	.0	66.7	33.3	.0	.0	.0	10.3	100.0	3
18&21	2.5	5.0	47.5	42.5	2.5	.0	.0	10.3	100.0	40
TOT	1	7	42	57	7	0	0	11.8		114
PCT	.9	6.1	36.8	50.0	6.1	.0	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	.0	.0	.0	.0		.0
NE	.0	.0	.0	.0		.0
E	.0	.0	.0	2.9		8.0
SE	3.8	12.5	21.2	8.7		5.2
S	10.6	2.9	9.6	.0		3.7
SW	1.0	7.7	.0	.0		2.8
W	7.7	2.9	3.8	.0		2.6
NW	.0	1.0	3.8	.0		5.6
VAR	.0	.0	.0	.0		.0
CALM	.0	.0	.0	.0		.0
TOT OBS	6	7	10	3	26	4.4
TOT PCT	23.1	26.9	38.5	11.5	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT,NH >4/8) AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

WND DIR	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	TOTAL OBS
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
E	.0	.0	2.9	.0	.0	.0	.0	.0	.0	.0	.0	
SE	.0	.0	1.0	3.8	15.4	3.8	1.0	.0	3.8	1.0	16.3	
S	.0	.0	.0	.0	3.8	.0	2.9	.0	.0	2.9	13.5	
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	8.7	
W	.0	.0	.0	.0	3.8	.0	.0	.0	.0	.0	10.6	
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.8	1.0	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT OBS	0	0	1	1	6	1	1	0	1	2	13	26
TOT PCT	.0	.0	3.8	3.8	23.1	3.8	3.8	.0	3.8	7.7	50.0	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) = OR >10	= OR >5	= OR >2	= OR >1	= OR >1/2	= OR >1/4	= OR >50YD	= OR >0
= OR >6500	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5
= OR >5000	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5
= OR >3500	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4
= OR >2000	19.2	19.2	19.2	19.2	19.2	19.2	19.2	19.2
= OR >1000	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3
= OR >600	42.3	46.2	46.2	46.2	46.2	46.2	46.2	46.2
= OR >300	42.3	50.0	50.0	50.0	50.0	50.0	50.0	50.0
= OR >150	42.3	50.0	50.0	50.0	50.0	50.0	50.0	50.0
= OR > 0	42.3	50.0	50.0	50.0	50.0	50.0	50.0	50.0
TOTAL	11	13	13	13	13	13	13	13

TOTAL NUMBER OF OBS: 26 PCT FREQ NH <5/8: 50.0

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8 OBSCD	TOTAL OBS
10.7	.0	10.7	17.9	7.1	14.3	7.1	14.3	17.9	.0	28

OCTOBER

PERIOD: (PRIMARY) 1910-1977
(OVER-ALL) 1882-1977

AREA 0021 AMBROSIO AND FELIX ISLS.
25.5S 79.5W

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
5<10	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	2.6	11.2	.0	.0	.0	.0	.0	.0	13.8	
	TOT %	.0	.0	2.6	11.2	.0	.0	.0	.0	.0	.0	13.8	
10+	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	40.5	20.7	7.8	12.9	4.3	.0	.0	86.2	
	TOT %	.0	.0	.0	40.5	20.7	7.8	12.9	4.3	.0	.0	86.2	
	TOT OBS												29
	TOT PCT	.0	.0	2.6	51.7	20.7	7.8	12.9	4.3	.0	.0	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
5<10	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	2.5	4.2	.0	.0	.0	.0	.0		6.7	
	11-21	.0	.0	.0	6.7	.0	.0	.0	.0	.0		6.7	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	2.5	10.8	.0	.0	.0	.0	.0	.0	13.3	
10+	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	14.2	9.2	.0	6.7	3.3	.0		33.3	
	11-21	.0	.0	.0	22.5	13.3	7.5	5.8	.8	.0		50.0	
	22+	.0	.0	.0	3.3	.0	.0	.0	.0	.0		3.3	
	TOT %	.0	.0	.0	40.0	22.5	7.5	12.5	4.2	.0	.0	86.7	
	TOT OBS												30
	TOT PCT	.0	.0	2.5	50.8	22.5	7.5	12.5	4.2	.0	.0	100.0	

OCTOBER

PERIOD: (PRIMARY) 1910-1977
(OVER-ALL) 1882-1977

AREA 0021 AMBROSIO AND FELIX ISLS, 25.5S 79.5W

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET,NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00&03	.0	.0	.0	.0	40.0	.0	10.0	.0	.0	.0	50.0	50.0	10
06&09	.0	.0	.0	.0	25.0	.0	.0	.0	.0	.0	25.0	75.0	4
12&15	.0	.0	50.0	.0	50.0	.0	.0	.0	.0	.0	100.0	.0	2
18&21	.0	.0	.0	10.0	.0	10.0	.0	.0	10.0	20.0	50.0	50.0	10
TOT	0	0	1	1	8	1	1	0	1	2	13	13	26
PCT	.0	.0	3.8	3.8	23.1	3.8	3.8	.0	3.8	7.7	50.0	50.0	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00&03	.0	.0	.0	.0	.0	100.0	11
06&09	.0	.0	.0	.0	40.0	60.0	5
12&15	.0	.0	.0	.0	33.3	66.7	3
18&21	.0	.0	.0	.0	9.1	90.9	11
TOT	0	0	0	0	4	26	30
PCT	.0	.0	.0	.0	13.3	86.7	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET,NH >4/8), BY HOUR

HOUR (GMT)	<150 <500	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL OBS
00&03	.0	.0	.0	50.0	50.0	10
06&09	.0	.0	.0	25.0	75.0	4
12&15	.0	50.0	50.0	50.0	.0	2
18&21	.0	.0	10.0	40.0	50.0	10
TOT	0	1	2	11	13	26
PCT	.0	3.8	7.7	42.3	50.0	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
70/74	.0	.0	.0	.0	.0	3.4	.0	.0	1	3.4
65/69	.0	.0	.0	.0	3.4	3.4	.0	.0	2	6.9
60/64	.0	.0	.0	.0	17.2	31.0	13.8	.0	18	62.1
55/59	.0	.0	.0	.0	3.4	6.9	13.8	3.4	8	27.6
TOTAL	0	0	0	0	7	13	8	1	29	100.0
PCT	.0	.0	.0	.0	24.1	44.8	27.6	3.4		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
.0	.0	.0	.0	.0	.0	.0	3.4	.0	.0
.0	.0	.0	3.4	.0	.0	3.4	.0	.0	.0
.0	.0	2.6	29.3	12.1	7.8	9.5	.9	.0	.0
.0	.0	.0	22.4	5.2	.0	.0	.0	.0	.0
.0	.0	2.6	55.2	17.2	7.8	12.9	4.3	.0	.0

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00&03	64	63	63	61	55	55	55	60.7	11
06&09	67	66	63	60	57	56	56	59.9	59
12&15	63	62	62	61	58	58	58	60.7	3
18&21	70	69	66	62	59	57	57	62.8	39
TOT	70	68	66	61	57	55	55	61.0	112

TABLE 16

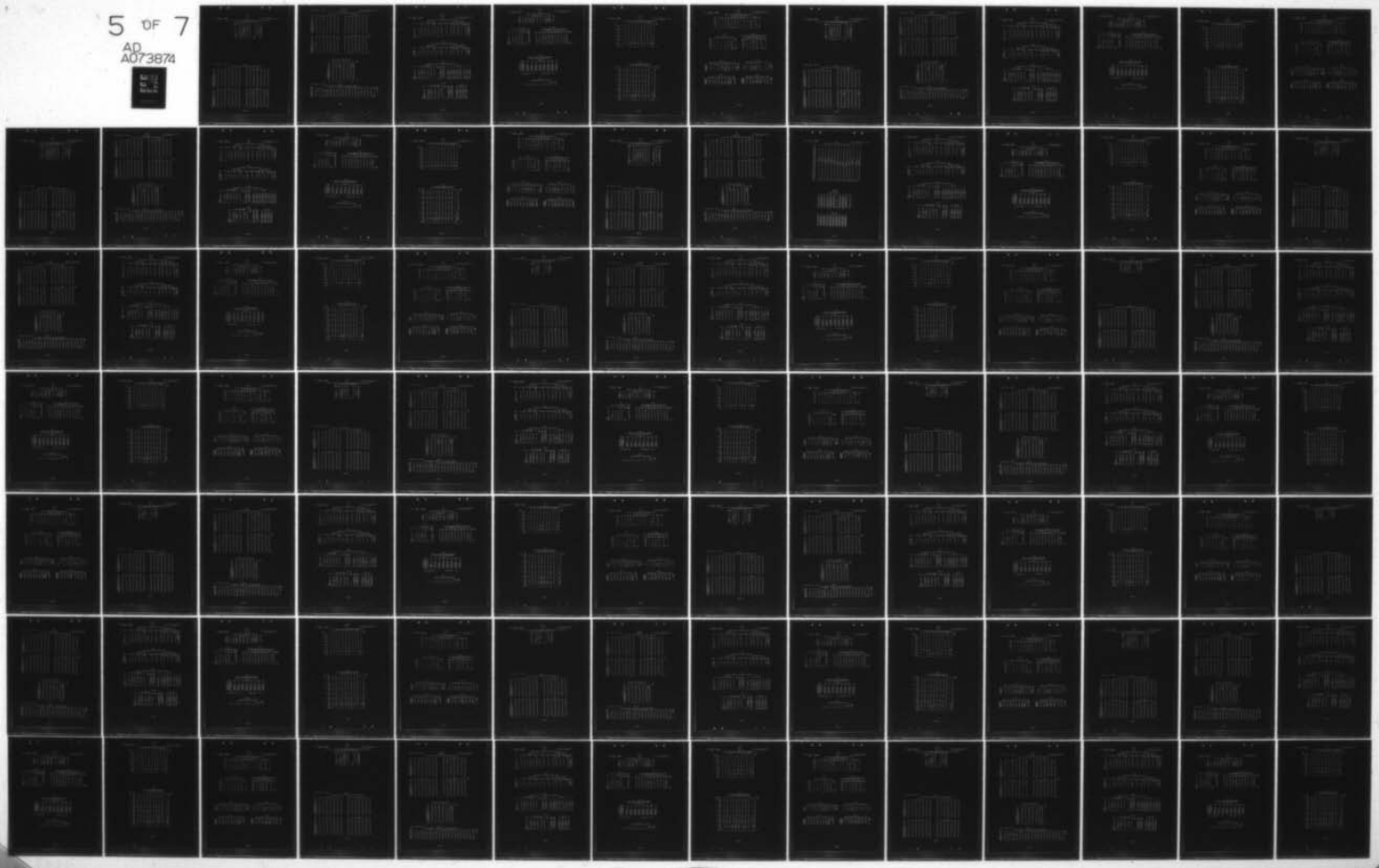
PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

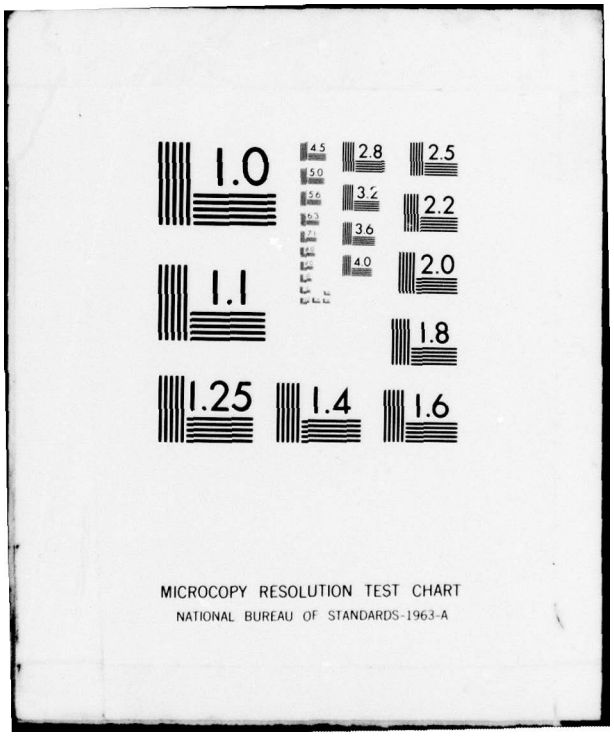
HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00&03	.0	.0	30.0	30.0	40.0	.0	74	10
06&09	.0	.0	.0	40.0	40.0	20.0	83	5
12&15	.0	.0	.0	33.3	66.7	.0	80	3
18&21	.0	.0	36.4	63.6	.0	.0	71	11
TOT	0	0	7	13	8	1	75	29

AD-A073 874 NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE N C F/G 4/2
SUMMARY OF SYNOPTIC METEOROLOGICAL OBSERVATIONS (SSMO) SELECTED--ETC(U)
SEP 79

UNCLASSIFIED NL

5 OF 7
AD
A073874




1.0
1.1
1.25
1.4
1.6
1.8
2.0
2.2
2.5
2.8
3.2
3.6
4.0
4.5
5.0
5.6
MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS-1963-A

OCTOBER

PERIOD: (PRIMARY) 1910-1977
(OVER-ALL) 1882-1977

TABLE 17

AREA 0021 AMBROSIO AND FELIX ISLS.
25.5S 79.5W

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	53 56	57 60	61 64	65 68	69 72	TOT	N FOG	WO FOG
6	.0	.0	3.4	.0	.0	1	.0	3.4
5	.0	.0	.0	.0	3.4	1	.0	3.4
4	.0	.0	3.4	3.4	.0	2	.0	6.9
2	.0	.0	6.9	3.4	.0	3	.0	10.3
1	.0	.0	6.9	.0	.0	2	.0	6.9
0	.0	3.4	10.3	.0	.0	4	.0	13.8
-1	.0	3.4	6.9	.0	.0	3	.0	10.3
-2	.0	6.9	10.3	.0	.0	5	.0	17.2
-3	.0	3.4	6.9	.0	.0	3	.0	10.3
-4	3.4	.0	3.4	.0	.0	2	.0	6.9
-5	.0	6.9	.0	.0	.0	2	.0	6.9
-6/-10	.0	3.4	.0	.0	.0	1	.0	3.4
TOTAL	1		17		1		0	29
		8		2		29		
PCT	3.4	27.6	58.6	6.9	3.4	100.0		100.0

PERIOD: (OVER-ALL) 1963-1977

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	3.0	.0	.0	.0	.0	3.0

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	3.0	.0	.0	.0	.0	3.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	3.0	.0	.0	.0	.0	3.0

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	1.0	.0	.0	.0	.0	1.0
3-4	.0	4.0	2.0	.0	.0	.0	6.0
5-6	.0	12.0	12.0	.0	.0	.0	24.0
7	.0	.0	9.0	.0	.0	.0	9.0
8-9	.0	.0	.0	4.0	.0	.0	4.0
10-11	.0	.0	4.0	.0	.0	.0	4.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	17.0	27.0	4.0	.0	.0	48.0

PERIOD: (OVER-ALL) 1963-1977 OCTOBER AREA 0021 AMBROSIO AND FELIX ISLS. 25.5S 79.5W

TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

S

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	4.0	3.0	.0	.0	.0	7.0
3-4	.0	.0	6.0	.0	.0	.0	6.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	7.0	.0	.0	.0	7.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	4.0	16.0	.0	.0	.0	20.0

SW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	9.0	.0	.0	.0	9.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	4.0	9.0	.0	.0	.0	9.0

W

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	4.0	.0	.0	.0	.0	4.0
1-2	.0	4.0	7.0	.0	.0	.0	11.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	8.0	7.0	.0	.0	.0	15.0

NW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	.0	.0	.0	.0	.0	.0	.0	
1-2	.0	4.0	1.0	.0	.0	.0	5.0	
3-4	.0	.0	.0	.0	.0	.0	.0	
5-6	.0	.0	.0	.0	.0	.0	.0	
7	.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.0	8.0	1.0	.0	.0	.0	5.0	100.0

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	.0	4.0	.0	.0	.0	.0	4.0	
1-2	.0	16.0	20.0	.0	.0	.0	36.0	
3-4	.0	4.0	8.0	.0	.0	.0	12.0	
5-6	.0	12.0	12.0	.0	.0	.0	24.0	
7	.0	.0	16.0	.0	.0	.0	16.0	
8-9	.0	.0	.0	4.0	.0	.0	4.0	
10-11	.0	.0	4.0	.0	.0	.0	4.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
								25
TOT PCT	.0	36.0	60.0	4.0	.0	.0	100.0	

PERIOD: (OVER-ALL) 1951-1977

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	.0	3.6	10.7	3.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5	3
6-7	.0	.0	.0	7.1	10.7	7.1	.0	3.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	8	7
8-9	.0	.0	.0	3.6	14.3	14.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	9	7
10-11	.0	.0	.0	.0	.0	14.3	7.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6	9
12-13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
>13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
INDET	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
TOTAL	0	1	3	4	7	10	2	1	0	0	0	0	0	0	0	0	0	0	0	28	7
PCT	.0	3.6	10.7	14.3	25.0	35.7	7.1	3.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

NOVEMBER

PERIOD: (PRIMARY) 1909-1976
(OVER-ALL) 1894-1976

AREA 0021 AMBROSIO AND FELIX ISLS.
25.5S 79.5W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG	DUST SNOW	NO SIG WEA
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
E	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
SE	1.7	.0	.0	.0	.0	.0	.0	1.7	.0	.0	.0	.0	.0	.0	.0	98.3
S	4.9	0.0	.0	.0	.0	.0	.0	11.5	.0	.0	.0	.0	.0	.0	.0	88.5
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
TOT PCT	2.5	2.5	.0	.0	.0	.0	.0	5.0	.0	.0	.0	.0	.0	.0	.0	95.0
TOT OBS:	40															

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG	DUST SNOW	NO SIG WEA
00&03	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
06&09	11.1	.0	.0	.0	.0	.0	.0	11.1	.0	.0	.0	.0	.0	.0	.0	88.9
12&15	.0	20.0	.0	.0	.0	.0	.0	20.0	.0	.0	.0	.0	.0	.0	.0	80.0
18&21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
TOT PCT	2.5	2.5	.0	.0	.0	.0	.0	5.0	.0	.0	.0	.0	.0	.0	.0	95.0
TOT OBS:	40															

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	WIND SPEED (KNOTS)									HOUR (GMT)							
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	.5	.0	.0	.0	.0	.0		.5	2.0	.0	.0	.0	.0	15.0	.0	.0	.0
NE	.2	.0	.0	.0	.0	.0		.2	2.0	.0	.0	.0	.0	5.0	.0	.0	.0
E	.0	1.5	.0	.0	.0	.0		1.5	6.3	.0	.0	2.8	.0	.0	.0	.0	2.6
SE	2.6	18.8	34.3	1.3	.0	.0		57.0	12.1	33.3	62.5	58.8	54.7	40.0	.0	60.5	66.4
S	6.7	10.6	14.4	.0	.0	.0		31.7	9.4	37.5	37.5	31.0	42.2	20.0	.0	27.6	23.3
SW	1.8	1.8	.3	.0	.0	.0		3.9	6.2	12.5	.0	5.6	.0	.0	.0	1.3	4.3
W	.5	.0	.5	.0	.0	.0		1.0	7.0	.0	.0	.0	2.3	15.0	.0	.0	.0
NW	.8	.7	.2	.0	.0	.0		1.6	5.0	16.7	.0	.0	.8	5.0	.0	.0	.0
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	2.6							2.6	.0	.0	.0	1.9	.0	.0	.0	10.5	3.4
TOT OBS	24	51	76	2	0	0	153		10.4	12	2	54	32	5	0	19	29
TOT PCT	15.7	33.3	49.7	1.3	.0	.0		100.0		100.0	100.0	100.0	100.0	100.0	.0	100.0	100.0

TABLE 3A

	WIND SPEED (KNOTS)								HOUR (GMT)			
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	06 09	12 15	18 21
N	.5	.0	.0	.0	.0		.5	2.0	.0	.0	15.0	.0
NE	.2	.0	.0	.0	.0		.2	2.0	.0	.0	5.0	.0
E	1.0	.5	.0	.0	.0		1.5	6.3	.0	1.7	.0	1.6
SE	9.0	33.8	14.2	.0	.0		57.0	12.1	37.5	57.3	40.0	64.1
S	11.1	17.8	2.8	.0	.0		31.7	9.4	37.5	35.2	20.0	25.0
SW	1.8	2.1	.0	.0	.0		3.9	6.2	10.7	3.5	.0	3.1
W	.5	.5	.0	.0	.0		1.0	7.0	.0	.9	15.0	.0
NW	1.5	.2	.0	.0	.0		1.6	5.0	14.3	.3	5.0	.0
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	2.6						2.6	.0	.0	1.2	.0	6.3
TOT OBS	43	84	26	0	0	153		10.4	14	86	5	48
TOT PCT	28.1	54.9	17.0	.0	.0		100.0		100.0	100.0	100.0	100.0

NOVEMBER

PERIOD: (PRIMARY) 1909-1976
(OVER-ALL) 1894-1976

AREA 6021 AMBROSIO AND FELIX ISLS.
25.5S 79.5W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS) 1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00&03	.0	14.3	28.6	57.1	.0	.0	.0	12.0	100.0	14
06&09	1.2	14.0	37.2	45.3	2.3	.0	.0	10.1	100.0	86
12&15	.0	20.0	.0	80.0	.0	.0	.0	11.2	100.0	5
18&21	6.3	10.4	31.3	52.1	.0	.0	.0	10.3	100.0	48
TOT	4	20	51	76	2	0	0	10.4		153
PCT	2.6	13.1	33.3	49.7	1.3	.0	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	.0	.0	.0	1.9		8.0
NE	.0	.0	.0	.6		8.0
E	.0	.0	.0	.0		.0
SE	.0	7.7	21.2	9.0		6.2
S	6.4	.0	11.5	19.2		6.2
SW	1.3	5.1	.6	.0		3.4
W	1.9	.0	.0	.0		2.0
NW	.6	5.1	.0	.0		2.8
VAR	.0	.0	.0	.0		.0
CALM	2.6	.0	2.6	2.6		5.0
TOT OBS	5	7	14	13	39	5.7
TOT PCT	12.8	17.9	35.9	33.3	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT,NH >4/8) AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

WND DIR	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	TOTAL OBS
N	.0	.0	.0	.0	.0	.0	1.9	.0	.0	.0	.0	
NE	.0	.0	.0	.0	.0	.0	.6	.0	.0	.0	.0	
E	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
SE	.0	.0	.0	12.2	5.8	9.6	.0	.0	.0	.0	10.3	
S	.0	.0	.0	10.9	4.5	10.3	.0	.0	.0	.0	11.5	
SW	.0	.0	.0	.0	.0	.6	.0	.0	.0	.0	6.4	
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.9	
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.8	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.0	.0	.0	2.6	.0	2.6	.0	.0	.0	2.6	
TOT OBS	0	0	0	9	5	8	2	0	0	0	15	39
TOT PCT	.0	.0	.0	23.1	12.8	20.5	5.1	.0	.0	.0	38.5	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) = OR >10	= OR >5	= OR >2	= OR >1	= OR >1/2	= OR >1/4	= OR >50YD	= OR >0
= OR >6500	.0	.0	.0	.0	.0	.0	.0	.0
= OR >5000	.0	.0	.0	.0	.0	.0	.0	.0
= OR >3500	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1
= OR >2000	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.6
= OR >1000	35.9	38.5	38.5	38.5	38.5	38.5	38.5	38.5
= OR >600	59.0	61.5	61.5	61.5	61.5	61.5	61.5	61.5
= OR >300	59.0	61.5	61.5	61.5	61.5	61.5	61.5	61.5
= OR >150	59.0	61.5	61.5	61.5	61.5	61.5	61.5	61.5
= OR > 0	59.0	61.5	61.5	61.5	61.5	61.5	61.5	61.5
TOTAL	23	24	24	24	24	24	24	24

TOTAL NUMBER OF OBS: 39 PCT FREQ NH <5/8: 38.5

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8 OBSCD	TOTAL OBS
2.5	2.5	15.0	10.0	7.5	7.5	17.5	7.5	30.0	.0	40

NOVEMBER

PERIOD: (PRIMARY) 1909-1976
(OVER-ALL) 1894-1976

AREA 0021 AMBROSIO AND FELIX ISLS.
25.5S 79.5W

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
5<10	PCP	.0	.0	.0	.0	2.5	.0	.0	.0	.0	.0	2.5	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	2.5	.0	.0	.0	.0	.0	2.5	
10+	PCP	.0	.0	.0	.6	1.9	.0	.0	.0	.0	.0	2.5	
	NO PCP	1.9	.6	.0	36.9	33.8	6.9	1.9	5.6	.0	7.5	95.0	
	TOT %	1.9	.6	.0	37.5	35.6	6.9	1.9	5.6	.0	7.5	97.5	
	TOT OBS												40
	TOT PCT	1.9	.6	.0	37.5	38.1	6.9	1.9	5.6	.0	7.5	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
5<10	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	2.5	.0	.0	.0	.0		2.5	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	2.5	.0	.0	.0	.0	.0	2.5	
10+	0-3	1.9	.6	.0	.0	.0	2.5	.0	2.5	.0	7.5	15.0	
	4-10	.0	.0	.0	3.8	12.5	3.8	.0	2.5	.0		22.5	
	11-21	.0	.0	.0	33.8	23.1	.6	1.9	.6	.0		60.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	1.9	.6	.0	37.5	35.6	6.9	1.9	5.6	.0	7.5	97.5	
	TOT OBS												40
	TOT PCT	1.9	.6	.0	37.5	38.1	6.9	1.9	5.6	.0	7.5	100.0	

PERIOD: (PRIMARY) 1909-1976
(OVER-ALL) 1894-1976

AREA 0021 AMBROSIO AND FELIX ISLS.
25.5S 79.5W

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00&03	.0	.0	.0	21.4	7.1	35.7	.0	.0	.0	.0	64.3	35.7	14
06&09	.0	.0	.0	25.0	.0	12.5	12.5	.0	.0	.0	50.0	50.0	8
12&15	.0	.0	.0	20.0	20.0	.0	20.0	.0	.0	.0	60.0	40.0	5
18&21	.0	.0	.0	25.0	25.0	16.7	.0	.0	.0	.0	66.7	33.3	12
TOT	0	0	0	9	5	8	2	0	0	0	24	15	39
PCT	.0	.0	.0	23.1	12.8	20.5	5.1	.0	.0	.0	61.5	38.5	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00&03	.0	.0	.0	.0	.0	100.0	14
06&09	.0	.0	.0	.0	.0	100.0	9
12&15	.0	.0	.0	.0	20.0	80.0	5
18&21	.0	.0	.0	.0	.0	100.0	12
TOT	0	0	0	0	1	39	40
PCT	.0	.0	.0	.0	2.5	97.5	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET, NH >4/8), BY HOUR

HOUR (GMT)	<150 <50YD	<600 <1	<1000 <3	1000+ AND 3+	NH <5/8 AND 5+	TOTAL OBS
00&03	.0	.0	21.4	42.9	35.7	14
06&09	.0	.0	25.0	25.0	50.0	8
12&15	.0	.0	20.0	40.0	40.0	5
18&21	.0	.0	25.0	41.7	33.3	12
TOT	0	0	9	15	15	39
PCT	.0	.0	23.1	38.5	38.5	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
70/74	.0	.0	.0	.0	2.6	.0	.0	.0	1	2.6
65/69	.0	.0	.0	.0	5.3	5.3	2.6	.0	5	13.2
60/64	.0	.0	.0	.0	13.2	28.9	36.8	.0	30	78.9
55/59	.0	.0	.0	.0	.0	2.6	2.6	.0	2	5.3
TOTAL	0	0	0	0	8	14	16	0	38	100.0
PCT	.0	.0	.0	.0	21.1	36.8	42.1	.0		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
.0	.0	.0	.0	.0	.0	.0	.0	.0	2.6
.0	.0	.0	2.6	2.6	.0	.0	5.3	.0	2.6
2.0	.7	.0	31.6	34.9	7.2	.0	.0	.0	2.6
.0	.0	.0	2.6	2.6	.0	.0	.0	.0	.0
2.0	.7	.0	36.8	40.1	7.2	.0	5.3	.0	7.9

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00&03	68	67	67	63	61	61	61	63.4	14
06&09	69	68	66	63	59	58	58	62.7	86
12&15	73	72	72	63	58	58	58	63.2	5
18&21	75	74	71	65	62	58	58	65.3	46
TOT	75	73	69	63	59	58	58	63.6	151

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-89	70-79	80-89	90-100	MEAN	TOTAL OBS
00&03	.0	.0	.0	50.0	50.0	.0	77	14
06&09	.0	.0	25.0	25.0	50.0	.0	76	8
12&15	.0	.0	50.0	25.0	25.0	.0	75	4
18&21	.0	.0	33.3	33.3	33.3	.0	75	12
TOT	0	0	8	14	16	0	76	38

NOVEMBER

PERIOD: (PRIMARY) 1909-1976
(OVER-ALL) 1894-1976

AREA 0021 AMBROSIO AND FELIX ISLS.
25.5S 79.5W

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	57 60	61 64	65 68	69 72	73 76	TOT	W FOG	WO FOG
5	.0	.0	.0	2.7	.0	1	.0	2.7
4	.0	2.7	.0	.0	.0	1	.0	2.7
3	.0	.0	5.4	.0	.0	2	.0	5.4
2	.0	5.4	5.4	.0	.0	4	.0	10.8
1	.0	13.5	2.7	.0	.0	6	.0	16.2
0	.0	8.1	.0	.0	.0	3	.0	8.1
-1	.0	18.9	.0	.0	.0	7	.0	18.9
-2	2.7	13.5	.0	.0	.0	6	.0	16.2
-3	.0	8.1	.0	.0	.0	3	.0	8.1
-4	.0	2.7	.0	.0	.0	1	.0	2.7
-5	.0	2.7	.0	.0	.0	1	.0	2.7
-6	2.7	.0	.0	.0	.0	1	.0	2.7
-7/-8	2.7	.0	.0	.0	.0	1	.0	2.7
TOTAL	3		5		0		0	37
		28		1		37		
PCT	8.1	75.7	13.5	2.7	.0	100.0		100.0

PERIOD: (OVER-ALL) 1963-1976

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	2.5	.0	.0	.0	.0	.0	2.5
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	2.5	.0	.0	.0	.0	.0	2.5

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.8	.0	.0	.0	.0	.0	.8
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.8	.0	.0	.0	.0	.0	.8

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	3.3	.0	.0	.0	.0	3.3
3-4	.0	.0	15.0	.0	.0	.0	15.0
5-6	.0	.0	15.8	.0	.0	.0	15.8
7	.0	.0	6.7	.0	.0	.0	6.7
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	3.3	37.5	.0	.0	.0	40.8

PERIOD: (OVER-ALL) 1963-1976

NOVEMBER

TABLE 18 (CONT)

AREA 0021 AMBROSIO AND FELIX ISLS. 25.5S 79.5W

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

	S							SW						
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	8.3	2.5	.0	.0	.0	10.8	3.3	5.0	.8	.0	.0	.0	9.2
3-4	.0	.0	5.0	.0	.0	.0	5.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	10.8	.0	.0	.0	10.8	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	3.3	.0	.0	.0	3.3	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	8.3	21.7	.0	.0	.0	30.0	3.3	5.0	.8	.0	.0	.0	9.2

	W							NW							TOTAL
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	PCT
<1	.0	.0	.0	.0	.0	.0	.0	3.3	3.3	.0	.0	.0	.0	6.7	
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.0	.0	.0	.0	.0	.0	.0	3.3	3.3	.0	.0	.0	.0	6.7	90.0

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	16.7	3.3	.0	.0	.0	.0	20.0	
1-2	3.3	16.7	3.3	.0	.0	.0	23.3	
3-4	.0	.0	20.0	.0	.0	.0	20.0	
5-6	.0	.0	26.7	.0	.0	.0	26.7	
7	.0	.0	10.0	.0	.0	.0	10.0	
8-9	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	20.0	20.0	60.0	.0	.0	.0	100.0	30

PERIOD: (OVER-ALL) 1955-1976

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	.0	3.0	9.1	6.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6	4
6-7	.0	.0	3.0	12.1	3.0	15.2	3.0	.0	3.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	13	7
8-9	.0	.0	.0	9.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3	5
10-11	.0	.0	.0	.0	3.0	3.0	.0	6.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4	9
12-13	.0	.0	.0	.0	.0	.0	3.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	10
>13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
INDET	12.1	.0	.0	.0	6.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6	2
TOTAL	4	1	4	9	4	6	2	2	1	0	0	0	0	0	0	0	0	0	0	33	6
PCT	12.1	3.0	12.1	27.3	12.1	18.2	6.1	6.1	3.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

DECEMBER

PERIOD: (PRIMARY) 1911-1970
(OVER-ALL) 1893-1970

AREA 0021 AMBROSIO AND FELIX ISLS.
25.5S 79.5W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

	PRECIPITATION TYPE									OTHER WEATHER PHENOMENA					
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
E	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
SE	4.6	.0	.0	.0	.0	.0	.0	4.6	.0	.0	.0	.0	.0	.0	.0	95.4
S	.0	.0	7.5	.0	.0	.0	.0	7.5	.0	.0	.0	.0	.0	.0	.0	92.5
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
W	.0	.0	40.0	.0	.0	.0	.0	40.0	.0	.0	.0	.0	.0	.0	.0	60.0
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
TOT PCT	2.5	.0	5.0	.0	.0	.0	.0	7.5	.0	.0	.0	.0	.0	.0	.0	92.5
TOT OBS:	40															

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

	PRECIPITATION TYPE									OTHER WEATHER PHENOMENA					
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
00&03	.0	.0	12.5	.0	.0	.0	.0	12.5	.0	.0	.0	.0	.0	.0	.0	87.5
06&09	.0	.0	11.1	.0	.0	.0	.0	11.1	.0	.0	.0	.0	.0	.0	.0	88.9
12&15	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
18&21	9.1	.0	.0	.0	.0	.0	.0	9.1	.0	.0	.0	.0	.0	.0	.0	90.9
TOT PCT	2.5	.0	5.0	.0	.0	.0	.0	7.5	.0	.0	.0	.0	.0	.0	.0	92.5
TOT OBS:	40															

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	WIND SPEED (KNOTS)									HOUR (GMT)						
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NE	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
E	.5	1.2	1.0	.0	.0	.0		2.7	8.1	.0	.0	9.5	.0	.0	.0	.0	.0
SE	4.9	17.6	30.6	4.1	.0	.0		57.1	12.2	40.6	.0	50.0	68.3	69.4	75.0	57.5	54.9
S	6.3	14.2	12.8	.7	.0	.0		34.0	9.6	46.9	.0	30.4	27.5	30.6	25.0	36.3	41.0
SW	1.2	.2	.2	.0	.0	.0		1.5	4.3	.0	.0	.6	.8	.0	.0	1.3	4.2
W	.0	1.2	.5	.0	.0	.0		1.7	8.6	9.4	.0	4.2	.0	.0	.0	.0	.0
NW	.7	.2	.2	.0	.0	.0		1.0	4.3	3.1	.0	3.0	.0	.0	.0	.0	.0
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	2.0							2.0	.0	.0	.0	2.4	3.3	.0	.0	5.0	.0
TOT OBS	23	51	67	7	0	0	148		10.7	8	0	42	30	9	3	20	36
TOT PCT	15.5	34.5	45.3	4.7	.0	.0		100.0		100.0	.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

	WIND SPEED (KNOTS)								HOUR (GMT)			
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	06 09	12 15	18 21
N	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
NE	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
E	1.2	1.5	.0	.0	.0		2.7	8.1	.0	5.6	.0	.0
SE	10.0	34.3	10.8	2.0	.0		57.1	12.2	40.6	57.6	70.8	55.8
S	13.9	14.2	5.9	.0	.0		34.0	9.6	46.9	29.2	29.2	39.3
SW	1.4	.0	.2	.0	.0		1.5	4.3	.0	.7	.0	3.1
W	.5	1.2	.0	.0	.0		1.7	8.6	9.4	2.4	.0	.0
NW	.8	.2	.0	.0	.0		1.0	4.3	3.1	1.7	.0	.0
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	2.0						2.0	.0	.0	2.8	.0	1.8
TOT OBS	44	76	25	3	0	148		10.7	8	72	12	56
TOT PCT	29.7	51.4	16.9	2.0	.0		100.0		100.0	100.0	100.0	100.0

DECEMBER

PERIOD: (PRIMARY) 1911-1970
(OVER-ALL) 1893-1970

AREA 0021 AMBROSIO AND FELIX ISLS.
25.5S 79.5W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	1-3	4-10	WIND SPEED (KNOTS) 11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00&03	.0	.0	.0	100.0	.0	.0	.0	16.2	100.0	8
06&09	2.8	13.9	33.3	41.7	8.3	.0	.0	10.9	100.0	72
12&15	.0	.0	41.7	58.3	.0	.0	.0	12.0	100.0	12
18&21	1.8	17.9	39.3	39.3	1.8	.0	.0	9.4	100.0	56
TOT	3	20	51	67	7	0	0	10.7		148
PCT	2.0	13.5	34.5	45.3	4.7	.0	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	.0	.0	.0	.0		.0
NE	.0	.0	.0	.0		.0
E	2.0	.0	.0	.0		1.0
SE	7.2	9.2	21.7	18.4		5.9
S	8.6	3.9	15.1	5.3		5.1
SW	.7	.0	.0	.0		2.0
W	.0	4.6	.0	.0		3.5
NW	.0	.7	.0	.0		3.0
VAR	.0	.0	.0	.0		.0
CALM	2.6	.0	.0	.0		2.0
TOT OBS	8	7	14	9	38	5.3
TOT PCT	21.1	18.4	36.8	23.7	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT,NH >4/8) AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	TOTAL OBS
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
E	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.0	
SE	.0	.0	.0	5.3	16.4	7.9	5.3	.0	.0	.0	21.7	
S	.0	.0	.0	.0	12.5	.0	2.6	.0	.0	.0	17.8	
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.6	
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.6	
TOT OBS	0	0	0	2	11	3	3	0	0	0	19	38
TOT PCT	.0	.0	.0	5.3	28.9	7.9	7.9	.0	.0	.0	50.0	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) * OR >10	* OR >5	* OR >2	* OR >1	* OR >1/2	* OR >1/4	* OR >30YD	* OR >0
* OR >6500	.0	.0	.0	.0	.0	.0	.0	.0
* OR >5000	.0	.0	.0	.0	.0	.0	.0	.0
* OR >3500	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9
* OR >2000	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8
* OR >1000	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
* OR >600	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
* OR >300	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
* OR >150	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
* OR > 0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
TOTAL	19	19	19	19	19	19	19	19

TOTAL NUMBER OF OBS: 38 PCT FREQ NH <5/8: 50.0

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8 OBSCD	TOTAL OBS
.0	5.3	18.4	13.2	13.2	5.3	7.9	21.1	15.8	.0	38

DECEMBER

PERIOD: (PRIMARY) 1911-1970
(OVER-ALL) 1893-1970

AREA 0021 AMBROSIO AND FELIX ISLS.
25.5S 79.5W

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
5<10	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.6	1.9	.0	.0	.0	.0	.0	2.5	
	TOT %	.0	.0	.0	.6	1.9	.0	.0	.0	.0	.0	2.5	
10+	PCP	.0	.0	.0	2.5	2.5	.0	2.5	.0	.0	.0	7.5	
	NO PCP	.0	.0	1.9	51.3	28.8	.6	3.8	1.3	.0	2.5	90.0	
	TOT %	.0	.0	1.9	53.8	31.3	.6	6.3	1.3	.0	2.5	97.5	
	TOT OBS												40
	TOT PCT	.0	.0	1.9	54.4	33.1	.6	6.3	1.3	.0	2.5	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
5<10	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.6	1.9	.0	.0	.0	.0		2.5	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.6	1.9	.0	.0	.0	.0	.0	2.5	
10+	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.5	2.5	
	4-10	.0	.0	1.9	16.9	8.8	.0	4.4	.6	.0		32.5	
	11-21	.0	.0	.0	36.9	22.5	.6	1.9	.6	.0		62.5	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	1.9	53.8	31.3	.6	6.3	1.3	.0	2.5	97.5	
	TOT OBS												40
	TOT PCT	.0	.0	1.9	54.4	33.1	.6	6.3	1.3	.0	2.5	100.0	

DECEMBER

PERIOD: (PRIMARY) 1911-1970
(OVER-ALL) 1893-1970

AREA 0021 AMBROSIO AND FELIX ISLS.
25.5S 79.5W

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET,NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00&03	.0	.0	.0	.0	25.0	.0	25.0	.0	.0	.0	50.0	50.0	8
06&09	.0	.0	.0	.0	37.5	25.0	.0	.0	.0	.0	62.5	37.5	8
12&15	.0	.0	.0	9.1	45.5	.0	9.1	.0	.0	.0	63.6	36.4	11
18&21	.0	.0	.0	9.1	9.1	9.1	.0	.0	.0	.0	27.3	72.7	11
TOT	0	0	0	2	11	3	3	0	0	0	19	19	38
PCT	.0	.0	.0	5.3	28.9	7.9	7.9	.0	.0	.0	50.0	50.0	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00&03	.0	.0	.0	.0	.0	100.0	8
06&09	.0	.0	.0	.0	.0	100.0	9
12&15	.0	.0	.0	.0	8.3	91.7	12
18&21	.0	.0	.0	.0	.0	100.0	11
TOT	0	0	0	0	1	39	40
PCT	.0	.0	.0	.0	2.5	97.5	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET,NH >4/8),BY HOUR

HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL OBS
00&03	.0	.0	.0	50.0	50.0	8
06&09	.0	.0	.0	62.5	37.5	8
12&15	.0	.0	9.1	54.5	36.4	11
18&21	.0	.0	9.1	18.2	72.7	11
TOT	0	0	2	17	19	38
PCT	.0	.0	5.3	44.7	50.0	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
75/79	.0	.0	.0	.0	5.0	.0	.0	.0	2	5.0
70/74	.0	.0	.0	2.5	7.5	5.0	.0	.0	6	15.0
65/69	.0	.0	.0	.0	10.0	17.5	12.5	.0	16	40.0
60/64	.0	.0	.0	.0	10.0	15.0	15.0	.0	16	40.0
TOTAL	0	0	0	1	13	15	11	0	40	100.0
PCT	.0	.0	.0	2.5	32.5	37.5	27.5	.0		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

	N	NE	E	SE	S	SW	W	NW	VAR	CALM
	.0	.0	.0	2.5	.0	.0	.0	.0	.0	2.5
	.0	.0	.0	10.6	4.4	.0	.0	.0	.0	.0
	.0	.0	.0	17.5	14.4	.6	6.3	1.3	.0	.0
	.0	.0	1.9	23.1	15.0	.0	.0	.0	.0	.0
	.0	.0	1.9	53.8	33.8	.6	6.3	1.3	.0	2.5

TABLE 15

MEANS,EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00&03	72	71	71	68	60	60	60	66.9	8
06&09	69	68	68	64	61	60	60	64.6	70
12&15	73	72	72	64	61	61	61	65.8	12
18&21	77	76	75	67	64	63	63	67.8	52
TOT	77	75	73	66	61	60	60	66.0	142

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00&03	.0	.0	12.5	50.0	37.5	.0	76	8
06&09	.0	.0	44.4	.0	55.6	.0	76	9
12&15	.0	9.1	36.4	54.5	.0	.0	69	11
18&21	.0	.0	33.3	41.7	25.0	.0	73	12
TOT	0	1	13	15	11	0	73	40

DECEMBER

PERIOD: (PRIMARY) 1911-1976
(OVER-ALL) 1893-1976

AREA 0021 AMBROSIO AND FELIX ISLS.
25.5S 79.5W

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	57 60	61 64	65 68	69 72	73 76	77 80	TOT	W FOG	WO FOG
7/8	.0	.0	.0	.0	.0	2.9	1	.0	2.9
5	.0	2.9	.0	5.7	5.7	.0	5	.0	14.3
3	.0	.0	.0	2.9	2.9	.0	2	.0	5.7
2	.0	.0	2.9	2.9	.0	.0	2	.0	5.7
1	.0	2.9	5.7	5.7	.0	.0	5	.0	14.3
0	.0	11.4	8.6	2.9	.0	.0	8	.0	22.9
-1	.0	2.9	2.9	2.9	.0	.0	3	.0	8.6
-2	2.9	2.9	2.9	.0	.0	.0	3	.0	8.6
-3	2.9	.0	2.9	2.9	.0	.0	3	.0	8.6
-4	.0	5.7	2.9	.0	.0	.0	3	.0	8.6
TOTAL	2		10		3			0	35
		10		9		1	35		
PCT	5.7	28.6	28.6	25.7	8.6	2.9	100.0		100.0

PERIOD: (OVER-ALL) 1968-1976

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	16.7	25.0	.0	.0	.0	41.7
5-6	.0	.0	10.0	.0	.0	.0	10.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	6.7	.0	.0	.0	6.7
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	16.7	41.7	.0	.0	.0	58.3

PERIOD: (OVER-ALL) 1963-1976 DECEMBER AREA 0021 AMBROSIO AND FELIX ISLS. 25.5S 79.5W

TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

S

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	6.7	3.3	.0	.0	.0	10.0
3-4	.0	.0	8.3	.0	.0	.0	8.3
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	3.3	.0	.0	.0	3.3
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	9.2	.0	.0	.0	9.2
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	6.7	24.2	.0	.0	.0	30.8

SW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.8	.0	.0	.0	.8
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.8	.0	.0	.0	.8

W

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	3.3	2.5	.0	.0	.0	5.8
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	3.3	2.5	.0	.0	.0	5.8

NW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.8	.0	.0	.0	.8
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.8	.0	.0	.0	.8

HGT	TOTAL PCT
<1	.0
1-2	.8
3-4	.0
5-6	.0
7	.0
8-9	.0
10-11	.0
12	.0
13-16	.0
17-19	.0
20-22	.0
23-25	.0
26-32	.0
33-40	.0
41-48	.0
49-60	.0
61-70	.0
71-86	.0
87+	.0
TOT PCT	96.7

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	3.3	.0	.0	.0	.0	.0	3.3	
1-2	.0	10.0	6.7	.0	.0	.0	16.7	
3-4	.0	16.7	33.3	.0	.0	.0	50.0	
5-6	.0	.0	10.0	.0	.0	.0	10.0	
7	.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	10.0	.0	.0	.0	10.0	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	10.0	.0	.0	.0	10.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	3.3	26.7	70.0	.0	.0	.0	100.0	30

PERIOD: (OVER-ALL) 1967-1976 TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	.0	10.0	13.3	.0	16.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	12	4
6-7	.0	.0	16.7	3.3	.0	.0	3.3	10.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	10	6
8-9	.0	.0	.0	3.3	.0	.0	3.3	6.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4	9
10-11	.0	.0	.0	.0	3.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	7
12-13	.0	.0	.0	3.3	.0	.0	3.3	3.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3	9
>13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
INDET	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
TOTAL	0	3	9	3	6	0	3	6	0	0	0	0	0	0	0	0	0	0	0	30	6
PCT	.0	10.0	30.0	10.0	20.0	.0	10.0	20.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

ANNUAL

PERIOD: (PRIMARY) 1909-1978
(OVER-ALL) 1855-1978

AREA 0021 AMBROSIO AND FELIX ISLS.
25.6S 79.5W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	33.3
NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	41.7
E	.0	.0	.0	.0	.0	.0	.0	.0	8.3	.0	.0	.0	.0		.0	75.0
SE	.7	.0	.7	.0	.0	.0	.0	1.4	3.3	.3	.0	.0	.2		.0	94.8
S	.8	1.4	.6	.0	.0	.0	.0	2.9	.5	.0	.0	.0	.6		.0	96.0
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	75.0
W	.0	.0	5.6	.0	.0	.0	.0	5.6	.0	.0	1.9	.0	.0		.0	50.8
NW	.0	.0	1.4	.0	.0	.0	.0	1.4	.0	.0	.3	.0	.0		.0	48.3
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0
CALM	.0	.0	8.3	.0	.0	.0	.0	8.3	.0	.0	.0	.0	.0		.0	41.7
TOT PCT	.7	.4	1.0	.0	.0	.0	.0	2.0	1.5	.2	.4	.0	.2		.0	95.7
TOT OBS:	388															

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
00&03	.0	.0	1.7	.0	.0	.0	.0	1.7	.6	.0	.0	.0	.0		.0	97.7
06&09	.9	.0	.9	.0	.0	.0	.0	1.9	1.9	1.0	.8	.0	.0		.0	94.3
12&15	1.0	1.7	.8	.0	.0	.0	.0	3.5	3.7	.0	.8	.0	.0		.0	92.1
18&21	.8	.7	.8	.0	.0	.0	.0	2.2	.9	.0	.0	.0	.7		.0	96.2
TOT PCT	.7	.4	.9	.0	.0	.0	.0	2.0	1.5	.2	.4	.0	.2		.0	95.7
TOT OBS:	394															

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	WIND SPEED (KNOTS)									HOUR (GMT)							
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	.5	1.0	.2	.0	.0	.0		1.6	3.6	1.0	2.1	.8	1.2	1.3	.0	3.5	2.4
NE	.2	.5	.5	.1	.0	.0		1.2	5.1	.3	2.1	1.4	1.0	3.6	.0	.2	.9
E	.6	2.0	1.3	.2	.0	.0		4.1	9.0	2.6	1.4	3.1	4.5	8.0	2.1	7.0	2.5
SE	2.5	19.0	30.5	3.1	.0	.0		55.1	12.5	45.7	24.7	59.9	56.0	57.7	22.2	52.9	53.6
S	2.3	12.9	10.1	.5	.0	.0		25.7	10.3	30.7	17.0	23.7	28.5	22.5	10.4	23.5	27.4
SW	1.0	2.5	1.0	.0	.0	.0		4.4	6.4	10.0	8.3	4.1	2.4	.4	.0	4.1	5.2
W	.7	1.7	1.0	.2	.0	.0		3.5	8.2	3.0	2.8	4.1	2.5	3.8	2.8	3.9	3.3
NW	.4	.9	.9	*	.0	.0		2.2	6.0	4.2	.0	1.5	1.7	2.7	4.2	3.1	2.2
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	2.0							2.0	.0	2.3	8.3	1.4	2.1	.0	.0	1.9	2.7
TOT OBS							1152		11.0	93	16	341	212	74	14	152	250
TOT PCT	10.2	40.5	45.3	4.1	.0	.0		100.0		100.0	66.7	100.0	100.0	100.0	41.7	100.0	100.0

TABLE 3A

	WIND SPEED (KNOTS)								HOUR (GMT)			
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	06 09	12 15	18 21
N	1.3	.3	.1	.0	.0		1.6	3.6	1.0	.9	1.3	2.8
NE	.6	.3	.3	.0	.0		1.2	5.1	1.0	1.3	3.0	.6
E	2.0	1.4	.7	.0	.0		4.1	9.0	3.0	3.8	7.2	4.1
SE	9.7	30.2	14.7	.5	.0		55.1	12.5	46.1	58.6	57.1	52.8
S	7.4	14.0	4.3	.1	.0		25.7	10.3	30.3	24.9	23.9	26.1
SW	2.1	2.2	.2	.0	.0		4.4	6.4	8.8	3.6	.4	4.9
W	1.4	1.5	.6	.1	.0		3.5	8.2	3.3	3.5	4.3	3.6
NW	.7	1.3	.2	*	.0		2.2	6.0	3.7	1.6	2.9	2.5
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	2.0						2.0	.0	2.8	1.8	.0	2.4
TOT OBS						1152		11.0	109	553	88	402
TOT PCT	27.1	51.1	21.1	.6	.0		100.0		100.0	100.0	100.0	100.0

ANNUAL

PERIOD: (PRIMARY) 1909-1978
(OVER-ALL) 1855-1978

AREA 0021 AMBROSIO AND FELIX ISLS.
25.6S 79.5W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS) 1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00&03	2.8	3.3	32.8	57.3	3.8	.0	.0	12.5	100.0	109
06&09	1.8	10.1	38.7	44.7	4.7	.0	.0	11.0	100.0	553
12&15	.0	1.7	33.7	59.3	5.3	.0	.0	12.9	100.0	88
18&21	2.4	8.3	45.7	40.6	3.0	.0	.0	10.2	100.0	402
TOT								11.0		1152
PCT	2.0	8.1	40.9	45.3	4.1	.0	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	.3	.3	.5	.3		1.7
NE	.1	.3	.0	.6		2.3
E	.4	.7	1.3	1.7		5.1
SE	4.8	9.5	19.5	14.8		5.8
S	6.3	4.1	11.8	8.0		5.2
SW	2.4	2.0	1.1	.5		3.1
W	1.3	.8	.7	1.9		2.1
NW	.1	.8	1.0	.6		2.7
VAR	.0	.0	.0	.0		.0
CALM	.8	.3	.2	.7		2.3
TOT OBS					355	5.4
TOT PCT	16.5	18.8	36.0	28.7	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT,NH >4/8) AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

WND DIR	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	TOTAL OBS
N	.0	.0	.0	.3	.2	.0	.3	.0	.0	.0	.6	
NE	.0	.0	.0	.0	.5	.1	.1	.0	.0	.0	.4	
E	.0	.0	.2	.4	1.0	1.1	.0	.0	.0	.0	1.3	
SE	.0	.3	.3	7.0	11.3	8.0	2.1	.2	.5	.6	18.5	
S	.0	.2	.0	3.0	8.6	4.0	.7	.2	.9	.5	12.2	
SW	.0	.0	.0	.8	.4	.3	*	.0	.0	.0	4.5	
W	.2	.0	.0	.8	.9	.0	.1	.0	.0	.0	2.1	
NW	.0	.0	.0	.1	.1	.2	.4	.0	.0	.3	1.3	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.0	.0	.0	.2	.0	.5	.0	.0	.0	1.3	
TOT OBS												355
TOT PCT	.2	.4	.5	12.4	23.2	13.6	4.3	.4	1.4	1.4	42.2	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) * OR >10	* OR >5	* OR >2	* OR >1	* OR >1/2	* OR >1/4	* OR >50YD	* OR >0
* OR >6500	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
* OR >5000	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
* OR >3500	5.9	7.4	7.4	7.4	7.4	7.4	7.4	7.4
* OR >2000	18.1	20.7	20.7	20.7	20.7	20.7	20.7	20.7
* OR >1000	37.8	43.3	43.6	43.6	43.6	43.6	43.6	43.6
* OR >600	49.2	56.3	56.6	56.6	56.6	56.6	56.6	56.6
* OR >300	49.4	56.9	57.2	57.2	57.2	57.2	57.2	57.2
* OR >150	49.4	57.1	57.6	57.6	57.6	57.6	57.6	57.6
* OR > 0	49.4	57.1	57.6	57.6	57.8	57.8	57.8	57.8

TOTAL NUMBER OF OBS: 359 PCT FREQ NH <5/8: 42.2

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8 OBSCD	TOTAL OBS
3.3	5.5	12.9	12.2	7.5	7.7	13.3	13.2	24.2 .2	378

ANNUAL

PERIOD: (PRIMARY) 1909-1978
(OVER-ALL) 1855-1978

AREA 0021 AMBROSIO AND FELIX ISLS.
25.6S 79.5W

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.3	*	.0	.0	.4	
	TOT %	.0	.0	.0	.0	.0	.0	.3	*	.0	.0	.4	
1<2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	PCP	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.2	
	NO PCP	.0	.0	.0	.6	.0	.0	.0	.0	.0	.0	.6	
	TOT %	.0	.0	.0	.8	.0	.0	.0	.0	.0	.0	.8	
5<10	PCP	.0	.0	.0	.1	.6	.0	.1	*	.0	.0	.8	
	NO PCP	.1	.2	.7	6.0	2.0	.0	.2	.1	.0	.0	9.4	
	TOT %	.1	.2	.7	6.1	2.6	.0	.3	.2	.0	.0	10.3	
10+	PCP	.0	.0	.0	.3	.4	.0	.2	.0	.0	.2	1.0	
	NO PCP	1.4	1.3	3.0	41.6	26.5	6.0	3.7	2.5	.0	1.6	87.5	
	TOT %	1.4	1.3	3.0	41.9	26.8	6.0	3.9	2.5	.0	1.7	88.5	
	TOT OBS												385
	TOT PCT	1.5	1.5	3.8	48.8	29.5	6.0	4.6	2.7	.0	1.7	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.3	*	.0		.4	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.3	*	.0	.0	.4	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.8	.0	.0	.0	.0	.0		.8	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.8	.0	.0	.0	.0	.0	.0	.8	
5<10	0-3	.0	.0	.0	.0	.2	.0	.1	*	.0	.0	.4	
	4-10	.0	.0	.5	1.2	.9	.0	.0	.0	.0		2.7	
	11-21	.1	.2	.2	4.5	1.5	.0	.0	*	.0		6.6	
	22+	.0	.0	.0	.3	.0	.0	.2	.1	.0		.6	
	TOT %	.1	.2	.7	6.1	2.6	.0	.3	.2	.0	.0	10.2	
10+	0-3	.4	.1	.2	.1	.1	.4	.9	.3	.0	1.7	4.1	
	4-10	.7	.3	1.1	10.2	14.1	4.4	1.6	1.3	.0		33.8	
	11-21	.3	.8	1.5	29.3	12.0	1.2	1.3	.9	.0		47.4	
	22+	.0	.2	.2	2.2	.7	.0	.0	.0	.0		3.3	
	TOT %	1.4	1.3	3.0	41.8	27.0	6.0	3.9	2.5	.0	1.7	88.6	
	TOT OBS												386
	TOT PCT	1.5	1.5	3.8	48.7	29.6	6.0	4.5	2.7	.0	1.7	100.0	

ANNUAL

PERIOD: (PRIMARY) 1909-1978
(OVER-ALL) 1855-1978

AREA 0021 AMBROSIO AND FELIX ISLS.
25.6S 79.5W

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET,NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00&03	.0	.8	.0	15.7	22.7	12.6	2.9	.0	.0	.0	54.6	45.4	102
06&09	.0	.0	.0	9.5	14.3	10.7	4.8	2.1	4.2	2.4	47.9	52.1	71
12&15	.8	.8	4.9	9.3	28.8	18.3	7.8	.0	.0	.0	70.7	29.3	82
18&21	.0	.0	.0	14.9	21.6	12.1	2.6	.0	1.5	2.6	55.4	44.6	110
TOT													365
PCT	.2	.4	.5	12.9	22.4	13.1	4.3	.3	1.4	1.4	56.9	43.1	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00&03	.0	.0	.0	1.2	7.0	91.8	109
06&09	.0	.0	.0	.0	11.5	87.7	83
12&15	.0	.0	.0	.8	14.6	83.9	87
18&21	.0	.0	.0	.9	8.7	90.3	113
TOT							392
PCT	.0	.4	.0	.8	10.4	88.6	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET,NH >4/8),BY HOUR

HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL OBS
00&03	.0	.8	17.9	37.1	45.0	101
06&09	.0	.0	9.5	39.8	50.7	70
12&15	.8	6.4	15.7	56.5	27.8	80
18&21	.0	.0	16.4	41.1	42.6	108
TOT						359
PCT	.2	1.2	14.9	43.3	41.9	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
75/79	.0	.0	.0	.0	.4	.3	.4	.0		1.1
70/74	.0	.0	.0	1.3	4.3	5.0	1.2	.8		12.6
65/69	.0	.6	.0	1.3	7.5	13.9	8.3	.6		32.2
60/64	.0	.0	.0	.7	8.4	18.1	9.6	4.4		41.2
55/59	.0	.0	.0	.0	1.9	3.8	5.0	2.1		12.9
TOTAL									361	100.0
PCT	.0	.6	.0	3.4	22.6	41.1	24.5	7.9		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
.0	.0	.0	.6	.0	.0	.0	.0	.0	.5
.0	.5	.2	6.8	3.1	.8	.2	.5	.0	.4
.7	.7	.6	19.1	7.2	.2	1.7	1.1	.0	.9
.6	.2	2.6	15.8	13.2	4.6	2.4	.7	.0	1.1
.0	.0	.0	6.6	5.6	.5	.0	.2	.0	.0
1.4	1.3	3.4	49.0	29.1	6.0	4.3	2.6	.0	3.0

TABLE 15

MEANS,EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00&03	75	68	68	64	61	61	55	64.2	111
06&09	77	69	66	63	60	60	54	63.1	351
12&15	78	70	70	64	61	61	55	64.8	88
18&21	82	73	72	66	62	61	55	66.0	379
TOT	82	74	70	64	61	59	54	64.3	1129

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00&03	.0	1.7	13.2	46.7	29.9	8.4	76	105
06&09	.0	.0	23.6	31.3	35.2	9.9	78	76
12&15	.0	2.4	23.6	37.4	29.4	7.2	76	76
18&21	.0	10.7	28.8	42.1	14.8	3.6	72	109
TOT	0	13	81	146	96	30	75	366

ANNUAL

PERIOD: (PRIMARY) 1969-1978
(OVER-ALL) 1855-1978

AREA 0021 AMBROSIO AND FELIX ISLS,
25.6S 79.5W

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	53 56	57 60	61 64	65 68	69 72	73 76	77 80	TOT	W FOG	WO FOG
7/8	.0	.0	.0	.0	.0	.3	.2	2	.0	.5
6	.0	.0	.3	.0	.0	.3	.0	2	.0	.6
5	.0	.0	.5	.3	1.5	1.0	.4	14	.0	3.7
4	.0	.0	.5	.9	.9	1.0	.0	11	.0	3.3
3	.0	.0	.6	1.1	.9	.9	.0	13	.0	3.5
2	.0	.0	1.8	1.7	1.1	.0	.0	16	.0	4.6
1	.0	.3	2.1	3.3	2.6	.6	.3	36	.0	9.2
0	.0	.9	4.5	5.5	2.0	.0	.0	49	.0	12.9
-1	.0	.8	4.4	4.0	3.1	.0	.0	47	.0	12.4
-2	.0	2.2	7.3	4.1	.6	.0	.0	52	.0	14.0
-3	.0	4.8	3.1	1.8	1.8	.0	.0	39	.4	10.6
-4	.3	2.2	5.7	1.7	.0	.0	.0	38	.0	10.1
-5	.3	2.9	3.4	.7	.0	.0	.0	32	.0	7.3
-6	.8	2.1	.2	.5	.0	.0	.0	14	.0	3.6
-7/-8	.0	1.5	.0	.0	.0	.0	.0	6	.0	1.6
-9/-10	.0	.3	.0	.5	.0	.0	.0	2	.0	.8
-11/-13	.0	.0	.3	.5	.0	.0	.0	2	.0	.8
TOTAL								375		
PCT	1.4	17.9	34.6	26.7	14.5	4.1	.9	100.0	.4	99.6

PERIOD: (OVER-ALL) 1963-1978

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.6	.2	.0	.0	.0	.0	.8
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.2	.0	.0	.0	.2
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.6	.2	.2	.0	.0	.0	1.0

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.1	.1	.0	.0	.0	.0	.1
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.2	.0	.0	.0	.2
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.1	.1	.2	.0	.0	.0	.4

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.3	.0	.0	.0	.0	.0	.3
1-2	.0	1.0	.3	.0	.0	.0	1.4
3-4	.0	.5	.3	.0	.0	.0	.8
5-6	.0	.0	1.0	.0	.0	.0	1.0
7	.0	.0	.0	.3	.0	.0	.3
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.3	1.5	1.6	.3	.0	.0	3.6

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.1	.0	.4	.0	.0	.0	.5
1-2	.0	4.9	8.4	.0	.0	.0	13.3
3-4	.0	5.1	12.6	.4	.0	.0	18.2
5-6	.0	2.1	12.1	.0	.0	.0	14.2
7	.0	.0	4.9	.1	.0	.0	5.0
8-9	.0	.0	.6	.3	.0	.0	.9
10-11	.0	.0	.3	.4	.0	.0	.7
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.1	12.2	39.4	1.2	.0	.0	52.8

PERIOD: (OVER-ALL) 1963-1978 ANNUAL AREA 0021 AMBROSIO AND FELIX ISLS.
TABLE 18 (CONT) 25.6S 79.5W

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

S

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.2	1.7	.0	.0	.0	.0	1.3
1-2	.0	5.0	3.6	.0	.0	.0	8.6
3-4	.0	3.9	3.9	.0	.0	.0	7.8
5-6	.0	.9	4.6	.0	.0	.0	5.5
7	.0	.0	.9	.0	.0	.0	.9
8-9	.0	.0	.3	.0	.0	.0	.3
10-11	.0	.0	.0	.9	.0	.0	.9
12	.0	.0	.8	.0	.0	.0	.8
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.2	10.9	14.0	.9	.0	.0	26.0

SW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.1	2.3	.0	.0	.0	.0	2.4
1-2	.3	2.6	.8	.0	.0	.0	3.7
3-4	.0	.2	.2	.0	.0	.0	.5
5-6	.0	.1	.0	.0	.0	.0	.1
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.1	.0	.0	.0	.1
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.3	5.3	1.1	.0	.0	.0	6.7

W

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.5	.6	.0	.0	.0	.0	1.0
1-2	.2	1.1	.8	.0	.0	.0	2.1
3-4	.0	.8	.2	.0	.0	.0	1.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.3	.0	.0	.3
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.7	2.5	1.0	.3	.0	.0	4.5

NW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	.3	1.2	.0	.0	.0	.0	1.5	
1-2	.1	.7	.5	.0	.0	.0	1.2	
3-4	.0	.0	.4	.0	.0	.0	.4	
5-6	.0	.0	.0	.0	.0	.0	.0	
7	.0	.0	.0	.1	.0	.0	.1	
8-9	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.4	1.8	.9	.1	.0	.0	3.2	98.3

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	4.2	5.9	.4	.0	.0	.0	10.6	
1-2	1.0	15.2	14.1	.0	.0	.0	30.4	
3-4	.0	10.5	17.5	.4	.0	.0	28.5	
5-6	.0	3.1	17.3	.0	.0	.0	20.4	
7	.0	.0	5.8	.7	.0	.0	6.5	
8-9	.0	.0	.8	.3	.0	.0	1.2	
10-11	.0	.0	.3	1.3	.0	.0	1.6	
12	.0	.0	.8	.0	.0	.0	.8	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	5.3	34.8	57.2	2.8	.0	.0	100.0	271

PERIOD: (OVER-ALL) 1964-1977 TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	.3	4.0	6.4	3.9	4.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	61	4
6-7	.0	1.2	5.0	9.8	5.4	3.0	2.0	1.4	1.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	86	6
8-9	.0	2.5	.7	5.1	5.5	3.8	4.5	1.1	1.2	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	85	7
10-11	.0	.0	.7	1.3	1.0	3.5	1.3	.5	.6	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	36	9
12-13	.0	.0	.7	.3	.3	2.0	1.0	.3	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	21	9
>13	.0	.0	.0	.0	.3	.3	.0	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3	9
INDET	1.4	.4	2.1	2.7	.5	.8	.6	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	33	5
TOTAL																				325	6
PCT	1.8	8.1	15.6	23.2	17.6	13.4	9.4	5.2	4.5	.8	.0	.3	.0	.0	.0	.0	.0	.0	.0	100.0	

PERIOD: (PRIMARY) 1909-1978
(OVER-ALL) 1855-1978

AREA 0021 AMBROSIO AND FELIX ISLS.
25.6S 79.5W

TABLE 20

PERCENT FREQUENCY OF OCCURRENCE OF SEA TEMP (DEG F) BY MONTH

SEA TMP DEG F	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN	PCT
96+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
95/96	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
93/94	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
91/92	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
89/90	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
87/88	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
85/86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
83/84	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
81/82	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
79/80	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
77/78	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
75/76	.9	4.1	.0	1.3	.0	.0	.0	.0	.0	.0	.0	.0	4	.4
73/74	4.7	6.1	.0	9.2	.0	.0	.0	.0	.0	.0	.0	1.4	17	1.6
71/72	6.5	12.2	7.1	3.9	3.6	2.2	.0	.0	.0	.0	.0	2.8	29	2.7
69/70	15.9	38.8	48.2	35.5	13.3	.0	.0	.0	.0	.0	1.4	7.1	113	10.3
67/68	43.9	32.7	33.9	32.9	38.6	18.7	1.4	.0	.0	.9	5.0	22.7	197	18.0
65/66	26.2	6.1	8.9	13.2	34.9	27.5	15.9	7.7	7.7	2.7	18.6	27.7	192	17.6
63/64	.9	.0	1.8	3.9	9.6	38.5	36.2	30.8	17.7	20.0	51.4	29.1	250	22.9
61/62	.9	.0	.0	.0	.0	12.1	40.6	36.3	43.0	46.4	18.6	8.5	196	17.9
59/60	.0	.0	.0	.0	.0	1.1	4.3	17.6	26.6	26.4	3.6	.7	76	7.0
57/58	.0	.0	.0	.0	.0	.0	1.4	6.6	3.8	2.7	1.4	.0	15	1.4
55/56	.0	.0	.0	.0	.0	.0	.0	1.1	1.3	.0	.0	.0	2	.2
53/54	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9	.0	.0	1	.1
51/52	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
49/50	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
47/48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
45/46	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
43/44	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
41/42	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
39/40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
37/38	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
35/36	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
33/34	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
31/32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
29/30	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
27/28	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
<27	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
TOTAL	107	49	56	76	83	91	69	91	79	110	140	141	1092	100.0
MEAN	67.8	69.6	68.5	68.8	67.1	64.7	62.8	61.7	61.5	61.4	63.6	65.5	65.2	

TABLE 21

PRESSURE (MB)

AVERAGE BY HOUR (GMT)

MO	0000	0300	0600	0900	1200	1500	1800	2100	MEAN	TOTAL OBS
JAN	1017	1011	1017	1016	1018	1017	1019	1016	1017	77
FEB	1018		1017	1014	1019		1018	1015	1017	39
MAR	1016	1017	1018	1016	1018		1017	1016	1017	52
APR	1018		1017	1016	1019		1020	1016	1017	55
MAY	1017	1018	1019	1019	1019	1020	1017	1018	1018	66
JUN	1019	1019	1019	1019	1019	1019	1020	1018	1019	77
JUL	1019	1019	1021	1019	1026		1021	1018	1020	58
AUG	1024		1021	1022	1022		1021	1019	1021	69
SEP	1019	1019	1020	1020	1018	1020	1022	1020	1020	69
OCT	1019	1021	1021	1020	1020		1022	1020	1021	72
NOV	1019	1019	1020	1020	1019		1021	1020	1020	100
DEC	1019		1019	1016	1019	1019	1018	1017	1018	81
ANN	1019	1018	1019	1018	1020	1019	1020	1018	1019	815
OBS	91	16	229	121	73	14	139	138		

PERCENTILES

MO	MIN	1%	5%	25%	50%	75%	95%	99%	MAX
JAN	1011	1011	1013	1015	1017	1018	1021	1024	1025
FEB	1010	1010	1012	1015	1017	1018	1020	1025	1026
MAR	1013	1013	1014	1016	1017	1018	1021	1024	1025
APR	1013	1012	1013	1015	1017	1019	1023	1023	1024
MAY	1011	1011	1013	1017	1019	1020	1021	1021	1022
JUN	1008	1008	1010	1016	1020	1022	1023	1023	1024
JUL	1010	1010	1013	1017	1020	1022	1027	1029	1030
AUG	1006	1006	1014	1019	1022	1024	1029	1030	1031
SEP	1011	1011	1013	1018	1020	1022	1025	1029	1030
OCT	1015	1015	1017	1019	1021	1022	1025	1027	1028
NOV	1011	1011	1015	1018	1020	1022	1024	1026	1027
DEC	1011	1011	1014	1016	1018	1020	1023	1024	1025

JANUARY

PERIOD: (PRIMARY) 1911-1977
(OVER-ALL) 1861-1977

AREA 0022 ISLAS JUAN FERNANDEZ
33.3S 78.4W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
E	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
SE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
TOT OBS:	40															

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
00&03	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
06&09	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
12&15	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
18&21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
TOT OBS:	40															

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	WIND SPEED (KNOTS)									HOUR (GMT)							
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NE	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
E	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
SE	1.4	2.5	13.4	4.7	.0	.0		22.1	16.8	2.5	12.5	37.5	26.3	37.5	25.0	12.5	25.0
S	1.1	7.2	26.1	6.9	.0	.0		41.3	15.7	62.5	37.5	12.5	36.8	62.5	25.0	37.5	45.3
SW	1.8	13.4	4.0	.0	.0	.0		19.2	8.5	25.0	.0	33.3	10.5	.0	25.0	37.5	17.2
W	.0	1.4	2.9	1.4	.0	.0		5.8	14.7	10.0	.0	16.7	5.3	.0	25.0	.0	.0
NW	1.4	2.9	5.8	.0	.0	.0		10.1	11.5	.0	50.0	.0	15.8	.0	.0	12.5	12.5
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	1.4							1.4	.0	.0	.0	.0	5.3	.0	.0	.0	.0
TOT OBS	5	19	36	9	0	0	69		13.8	10	2	6	19	4	4	8	16
TOT PCT	7.2	27.5	52.2	13.0	.0	.0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

	WIND SPEED (KNOTS)								HOUR (GMT)			
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	06 09	12 15	18 21
N	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
NE	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
E	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
SE	1.4	8.3	9.1	3.3	.0		22.1	16.8	4.2	29.0	31.3	20.8
S	2.5	18.5	19.2	1.1	.0		41.3	15.7	58.3	31.0	43.8	42.7
SW	6.2	12.3	.7	.0	.0		19.2	8.5	20.8	16.0	12.5	24.0
W	.0	2.9	2.9	.0	.0		5.8	14.7	8.3	8.0	12.5	.0
NW	1.4	5.8	2.9	.0	.0		10.1	11.5	8.3	12.0	.0	12.5
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	1.4						1.4	.0	.0	4.0	.0	.0
TOT OBS	9	33	24	3	0	69		13.8	12	25	8	24
TOT PCT	13.0	47.8	34.8	4.3	.0		100.0		100.0	100.0	100.0	100.0

JANUARY

PERIOD: (PRIMARY) 1911-1977
(OVER-ALL) 1861-1977

AREA 0022 ISLAS JUAN FERNANDEZ
33.3S 78.4W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS) 1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00&03	.0	.0	41.7	50.0	8.3	.0	.0	13.0	100.0	12
06&09	4.0	16.0	20.0	48.0	12.0	.0	.0	12.5	100.0	25
12&15	.0	.0	25.0	37.5	37.5	.0	.0	18.6	100.0	8
18&21	.0	.0	29.2	62.5	8.3	.0	.0	14.1	100.0	24
TOT	1	4	19	36	9	0	0	13.6		69
PCT	1.4	5.8	27.5	52.2	13.0	.0	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	.0	.0	.0	.0		.0
NE	.0	.0	.0	.0		.0
E	.0	.0	.0	.0		.0
SE	1.3	2.5	11.9	.0		5.8
S	10.6	2.5	21.9	6.9		5.1
SW	8.1	5.0	8.8	.6		3.6
W	.0	5.0	5.0	.0		5.0
NW	.0	5.0	2.5	.0		4.3
VAR	.0	.0	.0	.0		.0
CALM	2.5	.0	.0	.0		1.0
TOT OBS	9	8	20	3	40	4.7
TOT PCT	22.5	20.0	50.0	7.5	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT, NH >4/8) AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

WND DIR	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	TOTAL OBS
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
E	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
SE	.0	.0	2.5	3.1	.6	5.0	.0	.0	.0	.0	4.4	
S	.0	.0	.0	18.1	6.9	.0	1.9	.0	.0	.0	15.0	
SW	.0	.0	.0	3.8	5.0	.0	.6	.0	.0	.0	13.1	
W	.0	.0	.0	.0	5.0	.0	.0	.0	.0	.0	5.0	
NW	.0	.0	.0	.0	2.5	.0	.0	.0	.0	.0	5.0	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.5	
TOT OBS	0	0	1	10	8	2	1	0	0	0	18	40
TOT PCT	.0	.0	2.5	25.0	20.0	5.0	2.5	.0	.0	.0	45.0	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) * OR >10	* OR >5	* OR >2	* OR >1	* OR >1/2	* OR >1/4	* OR >50YD	* OR >0
* OR >6500	.0	.0	.0	.0	.0	.0	.0	.0
* OR >5000	.0	.0	.0	.0	.0	.0	.0	.0
* OR >3500	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
* OR >2000	2.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5
* OR >1000	20.0	27.5	27.5	27.5	27.5	27.5	27.5	27.5
* OR >600	40.0	52.5	52.5	52.5	52.5	52.5	52.5	52.5
* OR >300	40.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
* OR >150	40.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
* OR > 0	40.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
TOTAL	16	22	22	22	22	22	22	22

TOTAL NUMBER OF OBS: 40 PCT FREQ NH <5/8: 45.0

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8 OBSCD	TOTAL OBS
2.5	17.5	15.0	7.5	2.5	15.0	10.0	25.0	5.0	.0	40

JANUARY

PERIOD: (PRIMARY) 1911-1977
(OVER-ALL) 1861-1977

AREA 0022 ISLAS JUAN FERNANDEZ
33.3S 78.4W

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
5<10	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	12.5	1.9	.6	2.5	.0	.0	.0	17.5	
	TOT %	.0	.0	.0	12.5	1.9	.6	2.5	.0	.0	.0	17.5	
10+	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	3.1	40.0	21.9	7.5	7.5	.0	2.5	82.5	
	TOT %	.0	.0	.0	3.1	40.0	21.9	7.5	7.5	.0	2.5	82.5	
	TOT OBS												40
	TOT PCT	.0	.0	.0	15.6	41.9	22.5	10.0	7.5	.0	2.5	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
5<10	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	5.0	1.9	.6	.0	.0	.0		7.5	
	22+	.0	.0	.0	7.5	.0	.0	2.5	.0	.0		10.0	
	TOT %	.0	.0	.0	12.5	1.9	.6	2.5	.0	.0	.0	17.5	
10+	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.5	2.5	
	4-10	.0	.0	.0	1.9	7.5	18.1	2.5	.0	.0		30.0	
	11-21	.0	.0	.0	.6	28.1	3.8	5.0	7.5	.0		45.0	
	22+	.0	.0	.0	.6	4.4	.0	.0	.0	.0		5.0	
	TOT %	.0	.0	.0	3.1	40.0	21.9	7.5	7.5	.0	2.5	82.5	
	TOT OBS												40
	TOT PCT	.0	.0	.0	15.6	41.9	22.5	10.0	7.5	.0	2.5	100.0	

JANUARY

PERIOD: (PRIMARY) 1911-1977
(OVER-ALL) 1861-1977

AREA 0022 ISLAS JUAN FERNANDEZ
33.3S 78.4W

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET,NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00&03	.0	.0	.0	25.0	8.3	.0	.0	.0	.0	.0	33.3	66.7	12
06&09	.0	.0	11.1	11.1	22.2	.0	.0	.0	.0	.0	44.4	55.6	9
12&15	.0	.0	.0	50.0	25.0	.0	.0	.0	.0	.0	75.0	25.0	8
18&21	.0	.0	.0	18.2	27.3	18.2	9.1	.0	.0	.0	72.7	27.3	11
TOT	0	0	1	10	8	2	1	0	0	0	22	18	40
PCT	.0	.0	2.5	25.0	20.0	5.0	2.5	.0	.0	.0	55.0	45.0	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00&03	.0	.0	.0	.0	.0	100.0	12
06&09	.0	.0	.0	.0	33.3	66.7	9
12&15	.0	.0	.0	.0	25.0	75.0	8
18&21	.0	.0	.0	.0	18.2	81.8	11
TOT	0	0	0	0	7	33	40
PCT	.0	.0	.0	.0	17.5	82.5	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET,NH >4/8),BY HOUR

HOUR (GMT)	<150 <5CVD	<600 <1	<1000 <3	1000+ AND5+	NH <5/8 AND 5+	TOTAL OBS
00&03	.0	.0	25.0	8.3	66.7	12
06&09	.0	11.1	22.2	22.2	55.6	9
12&15	.0	.0	50.0	25.0	25.0	8
18&21	.0	.0	18.2	54.5	27.3	11
TOT	0	1	11	11	18	40
PCT	.0	2.5	27.5	27.5	45.0	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
70/74	.0	.0	.0	.0	.0	7.9	.0	.0	3	7.9
65/69	.0	.0	.0	.0	10.5	31.6	13.2	7.9	24	63.2
60/64	.0	.0	.0	.0	5.3	13.2	10.5	.0	11	28.9
TOTAL	0	0	0	0	6	20	9	3	38	100.0
PCT	.0	.0	.0	.0	15.8	52.6	23.7	7.9		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

	N	NE	E	SE	S	SW	W	NW	VAR	CALM
	.0	.0	.0	.0	6.6	1.3	.0	.0	.0	.0
	.0	.0	.0	13.8	23.0	13.2	7.9	2.6	.0	2.6
	.0	.0	.0	2.6	12.5	5.9	2.6	5.3	.0	.0
	.0	.0	.0	16.4	42.1	20.4	10.5	7.9	.0	2.6

TABLE 15

MEANS,EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00&03	70	69	69	66	61	61	61	66.0	13
06&09	72	71	70	65	59	57	57	64.8	25
12&15	69	68	68	65	62	62	62	65.3	8
18&21	73	72	71	67	63	62	62	66.9	22
TOT	73	72	70	66	60	57	57	65.8	68

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00&03	.0	.0	16.7	41.7	25.0	16.7	78	12
06&09	.0	.0	14.3	42.9	28.6	14.3	78	7
12&15	.0	.0	12.5	50.0	37.5	.0	76	8
18&21	.0	.0	18.2	72.7	9.1	.0	75	11
TOT	0	0	6	20	9	3	76	38

PERIOD: (PRIMARY) 1911-1977
(OVER-ALL) 1861-1977

AREA 0022 ISLAS JUAN FERNANDEZ
33.3S 78.4W

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	57 60	61 64	65 68	69 72	TOT	W FOG	WO FOG
3	.0	.0	10.3	.0	4	.0	10.3
2	.0	.0	7.7	.0	3	.0	7.7
1	.0	.0	12.8	7.7	8	.0	20.5
0	.0	12.8	10.3	.0	9	.0	23.1
-1	.0	10.3	10.3	5.1	10	.0	25.6
-3	.0	.0	5.1	.0	2	.0	5.1
-4	.0	5.1	.0	.0	2	.0	5.1
-9/-10	2.6	.0	.0	.0	1	.0	2.6
TOTAL	1		22		0		39
		11		5	39		
PCT	2.6	28.2	56.4	12.8	100.0		100.0

PERIOD: (OVER-ALL) 1963-1977

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	2.1	.0	.0	.0	.0	2.1
3-4	.0	.0	.0	2.9	.0	.0	2.9
5-6	.0	.0	6.4	.0	.0	.0	6.4
7	.0	.0	.0	2.9	.0	.0	2.9
8-9	.0	.0	.0	3.6	.0	.0	3.6
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	2.1	6.4	9.3	.0	.0	17.9

PERIOD: (OVER-ALL) 1963-1977

JANUARY

TABLE 18 (CONT)

AREA 0022 ISLAS JUAN FERNANDEZ
33.3S 78.4W

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

S

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	6.4	.0	.0	.0	.0	6.4
3-4	.0	.0	15.0	.0	.0	.0	15.0
5-6	.0	2.1	13.6	.0	.0	.0	15.7
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	2.1	.0	.0	2.1
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	2.9	.0	.0	2.9
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	8.6	28.6	5.0	.0	.0	42.1

SW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	8.6	.0	.0	.0	.0	8.6
3-4	.0	8.6	2.1	.0	.0	.0	10.7
5-6	.0	.7	.0	.0	.0	.0	.7
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	17.9	2.1	.0	.0	.0	20.0

W

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	2.9	2.9	.0	.0	.0	5.7
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	2.9	2.9	.0	.0	5.7
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	2.9	5.7	2.9	.0	.0	11.4

NW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	.0	.0	.0	.0	.0	.0	.0	
1-2	.0	.0	2.9	.0	.0	.0	2.9	
3-4	.0	.0	5.7	.0	.0	.0	5.7	
5-6	.0	.0	.0	.0	.0	.0	.0	
7	.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.0	.0	8.6	.0	.0	.0	8.6	100.0

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	.0	2.9	2.9	.0	.0	.0	5.7	
1-2	.0	17.1	2.9	.0	.0	.0	20.0	
3-4	.0	8.6	25.7	5.7	.0	.0	40.0	
5-6	.0	2.9	20.0	.0	.0	.0	22.9	
7	.0	.0	.0	2.9	.0	.0	2.9	
8-9	.0	.0	.0	5.7	.0	.0	5.7	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	2.9	.0	.0	2.9	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.0	31.4	51.4	17.1	.0	.0	100.0	35

PERIOD: (OVER-ALL) 1960-1977

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	.0	2.8	.0	2.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2	4
6-7	.0	.0	8.3	22.2	5.6	5.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	15	5
8-9	.0	2.8	11.1	5.6	11.1	.0	8.3	5.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	16	7
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
12-13	.0	.0	.0	.0	.0	2.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	8
>13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
INDET	5.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2	0
TOTAL	2	2	7	11	6	3	3	2	0	0	0	0	0	0	0	0	0	0	0	36	6
PCT	5.6	5.6	19.4	30.6	16.7	8.3	8.3	5.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

FEBRUARY

PERIOD: (PRIMARY) 1910-1976
(OVER-ALL) 1888-1976

AREA 0022 ISLAS JUAN FERNANDEZ
33.3S 78.3W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
E	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
SE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
TOT OBS:	13															

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
00&03	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
06&09	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
12&15	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
18&21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
TOT OBS:	13															

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	WIND SPEED (KNOTS)									HOUR (GMT)							
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NE	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
E	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
SE	.0	7.8	11.2	11.2	.0	.0		30.2	16.2	6.3	.0	6.3	57.1	.0	.0	.0	57.1
S	.0	19.8	12.9	12.9	.0	.0		45.7	13.5	68.8	.0	43.8	42.9	100.0	.0	100.0	14.3
SW	.0	6.9	.0	.0	.0	.0		6.9	5.0	.0	.0	.0	.0	.0	.0	.0	28.6
W	.0	9.5	.0	.0	.0	.0		9.5	6.0	18.8	.0	25.0	.0	.0	.0	.0	.0
NW	.0	4.3	3.4	.0	.0	.0		7.8	10.4	6.3	.0	25.0	.0	.0	.0	.0	.0
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0							.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT OBS	0	14	8	7	0	0	29		12.7	4	0	8	7	1	0	2	7
TOT PCT	.0	48.3	27.6	24.1	.0	.0		100.0		100.0	.0	100.0	100.0	100.0	.0	100.0	100.0

TABLE 3A

	WIND SPEED (KNOTS)								HOUR (GMT)			
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	06 09	12 15	18 21
N	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
NE	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
E	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
SE	3.4	12.1	14.7	.0	.0		30.2	16.2	6.3	30.0	.0	44.4
S	13.8	15.5	16.4	.0	.0		45.7	13.5	68.8	43.3	100.0	33.3
SW	6.9	.0	.0	.0	.0		6.9	5.0	.0	.0	.0	22.2
W	6.9	2.6	.0	.0	.0		9.5	6.0	18.8	13.3	.0	.0
NW	.0	7.8	.0	.0	.0		7.8	10.4	6.3	13.3	.0	.0
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	.0						.0	.0	.0	.0	.0	.0
TOT OBS	9	11	9	0	0	29		12.7	4	15	1	9
TOT PCT	31.0	37.9	31.0	.0	.0		100.0		100.0	100.0	100.0	100.0

FEBRUARY

PERIOD: (PRIMARY) 1910-1978
(OVER-ALL) 1838-1978

AREA 0022 ISLAS JUAN FERNANDEZ
33.3S 78.3W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS) 1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00&03	.0	.0	50.0	25.0	25.0	.0	.0	14.0	100.0	4
06&09	.0	.0	46.7	33.3	20.0	.0	.0	12.5	100.0	15
12&15	.0	.0	.0	100.0	.0	.0	.0	13.0	100.0	1
18&21	.0	.0	55.6	11.1	33.3	.0	.0	12.6	100.0	9
TOT	0	0	14	8	7	0	0	12.7		29
PCT	.0	.0	48.3	27.6	24.1	.0	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	.0	.0	.0	.0		.0
NE	.0	.0	.0	.0		.0
E	.0	.0	.0	.0		.0
SE	.0	2.1	4.2	.0		5.3
S	8.3	14.6	25.0	8.3		5.2
SW	.0	.0	.0	.0		.0
W	.0	6.3	.0	.0		3.0
NW	8.3	2.1	.0	.0		1.4
VAR	.0	.0	.0	.0		.0
CALM	.0	.0	.0	.0		.0
TOT OBS	2	3	6	1	12	4.7
TOT PCT	16.7	25.0	50.0	8.3	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT,NH >4/8) AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	TOTAL OBS
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
E	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
SE	.0	.0	.0	.0	2.1	.0	.0	.0	.0	.0	4.2	
S	.0	.0	.0	.0	31.3	.0	.0	.0	.0	8.3	37.5	
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.3	
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	10.4	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT OBS	0	0	0	0	4	0	0	0	0	1	7	12
TOT PCT	.0	.0	.0	.0	33.3	.0	.0	.0	.0	8.3	58.3	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) = OR >10	= OR >5	= OR >2	= OR >1	= OR >1/2	= OR >1/4	= OR >50YD	= OR >0
= OR >6500	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3
= OR >5000	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3
= OR >3500	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3
= OR >2000	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3
= OR >1000	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7
= OR >600	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7
= OR >300	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7
= OR >150	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7
= OR > 0	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7
TOTAL	5	5	5	5	5	5	5	5

TOTAL NUMBER OF OBS: 12 PCT FREQ NH <5/8: 58.3

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8 OBSCD	TOTAL OBS
.0	8.3	8.3	41.7	.0	8.3	25.0	.0	8.3	.0	12

FEBRUARY

PERIOD: (PRIMARY) 1910-1978
(OVER-ALL) 1888-1978

AREA 0022 ISLAS JUAN FERNANDEZ
33.3S 78.3W

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
5<10	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
10+	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	5.8	71.2	.0	13.5	9.6	.0	.0	100.0	
	TOT %	.0	.0	.0	5.8	71.2	.0	13.5	9.6	.0	.0	100.0	
TOT OBS													13
TOT PCT		.0	.0	.0	5.8	71.2	.0	13.5	9.6	.0	.0	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
5<10	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
10+	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	1.9	21.2	.0	13.5	9.6	.0		46.2	
	11-21	.0	.0	.0	1.9	28.8	.0	.0	.0	.0		30.8	
	22+	.0	.0	.0	1.9	21.2	.0	.0	.0	.0		23.1	
	TOT %	.0	.0	.0	5.8	71.2	.0	13.5	9.6	.0	.0	100.0	
TOT OBS													13
TOT PCT		.0	.0	.0	5.8	71.2	.0	13.5	9.6	.0	.0	100.0	

FEBRUARY

PERIOD: (PRIMARY) 1910-1970
(OVER-ALL) 1888-1970

AREA 0022 ISLAS JUAN FERNANDEZ
33.3S 78.3W

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00&03	.0	.0	.0	.0	50.0	.0	.0	.0	.0	.0	50.0	50.0	4
06&09	.0	.0	.0	.0	.0	.0	.0	.0	.0	20.0	20.0	80.0	5
12&15	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	1
18&21	.0	.0	.0	.0	100.0	.0	.0	.0	.0	.0	100.0	.0	2
TOT	0	0	0	0	4	0	0	0	0	1	5	7	12
PCT	.0	.0	.0	.0	33.3	.0	.0	.0	.0	8.3	41.7	58.3	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00&03	.0	.0	.0	.0	.0	100.0	4
06&09	.0	.0	.0	.0	.0	100.0	6
12&15	.0	.0	.0	.0	.0	100.0	1
18&21	.0	.0	.0	.0	.0	100.0	2
TOT	0	0	0	0	0	13	13
PCT	.0	.0	.0	.0	.0	100.0	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET, NH >4/8), BY HOUR

HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL OBS
00&03	.0	.0	.0	50.0	50.0	4
06&09	.0	.0	.0	20.0	80.0	5
12&15	.0	.0	.0	.0	100.0	1
18&21	.0	.0	.0	100.0	.0	2
TOT	0	0	0	5	7	12
PCT	.0	.0	.0	41.7	58.3	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
65/69	.0	.0	.0	7.7	15.4	7.7	23.1	.0	7	53.8
60/64	.0	.0	.0	7.7	30.8	7.7	.0	.0	6	46.2
TOTAL	0	0	0	2	6	2	3	0	13	100.0
PCT	.0	.0	.0	15.4	46.2	15.4	23.1	.0		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

	N	NE	E	SE	S	SW	W	NW	VAR	CALM
	.0	.0	.0	1.9	36.5	.0	5.8	9.6	.0	.0
	.0	.0	.0	3.8	42.3	.0	.0	.0	.0	.0
	.0	.0	.0	5.8	78.8	.0	5.8	9.6	.0	.0

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00&03	67	66	66	64	63	63	63	64.8	4
06&09	71	70	70	66	61	61	61	65.0	15
12&15	65	65	65	65	65	65	65	65.0	1
18&21	71	70	70	66	63	63	63	66.3	9
TOT	71	70	70	65	61	61	61	65.4	29

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00&03	.0	25.0	25.0	50.0	.0	.0	66	4
06&09	.0	.0	50.0	.0	50.0	.0	76	6
12&15	.0	100.0	.0	.0	.0	.0	58	1
18&21	.0	.0	100.0	.0	.0	.0	67	2
TOT	0	2	6	2	3	0	70	13

PERIOD: (PRIMARY) 1910-1978
(OVER-ALL) 1888-1978

AREA 0022 ISLAS JUAN FERNANDEZ
33.7S 78.8W

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	61 64	65 68	TOT	W FOG	WO FOG
6	.0	9.1	1	.0	9.1
1	18.2	.0	2	.0	18.2
0	.0	9.1	1	.0	9.1
-1	.0	18.2	2	.0	18.2
-2	9.1	9.1	2	.0	18.2
-3	9.1	.0	1	.0	9.1
-4	18.2	.0	2	.0	18.2
TOTAL	6	5	11	0	11
PCT	54.5	45.5	100.0		100.0

PERIOD: (OVER-ALL) 1963-1978

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0

PERIOD: (OVER-ALL) 1964-1978

FEBRUARY

TABLE 18 (CONT)

AREA 0022 ISLAS JUAN FERNANDEZ 33.3S 78.3W

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

S

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	14.3	.0	.0	.0	.0	14.3
3-4	.0	.0	28.6	.0	.0	.0	28.6
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	14.3	.0	.0	14.3
10-11	.0	.0	.0	14.3	.0	.0	14.3
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	14.3	28.6	28.6	.0	.0	71.4

SW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0

W

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	10.7	.0	.0	.0	.0	10.7
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	10.7	.0	.0	.0	.0	10.7

NW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	.0	.0	.0	.0	.0	.0	.0	
1-2	.0	14.3	.0	.0	.0	.0	14.3	
3-4	.0	3.6	.0	.0	.0	.0	3.6	
5-6	.0	.0	.0	.0	.0	.0	.0	
7	.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.0	17.9	.0	.0	.0	.0	17.9	100.0

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	.0	.0	.0	.0	.0	.0	.0	
1-2	.0	28.6	.0	.0	.0	.0	28.6	
3-4	.0	14.3	28.6	.0	.0	.0	42.9	
5-6	.0	.0	.0	.0	.0	.0	.0	
7	.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	14.3	.0	.0	14.3	
10-11	.0	.0	.0	14.3	.0	.0	14.3	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.0	42.9	28.6	28.6	.0	.0	100.0	7

PERIOD: (OVER-ALL) 1964-1978

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
6-7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
10-11	.0	.0	.0	14.3	14.3	.0	.0	.0	28.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4	10
12-13	.0	.0	.0	.0	.0	.0	.0	.0	14.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	13
>13	.0	.0	.0	.0	.0	.0	.0	.0	.0	28.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	2	16
INDET	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
TOTAL	0	0	0	1	1	0	0	0	3	2	0	0	0	0	0	0	0	0	0	7	12
PCT	.0	.0	.0	14.3	14.3	.0	.0	.0	42.9	28.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

MARCH

PERIOD: (PRIMARY) 1911-1972
(OVER-ALL) 1865-1972

AREA 0022 ISLAS JUAN FERNANDEZ
33.3S 78.1W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

	PRECIPITATION TYPE									OTHER WEATHER PHENOMENA					
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG	DUST SNOW	NO SIG WEA
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
E	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
SE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NW	100.0	.0	.0	.0	.0	.0	.0	100.0	.0	.0	.0	.0	.0	.0	.0	.0
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	11.1	.0	.0	.0	.0	.0	.0	11.1	.0	.0	.0	.0	.0	.0	.0	88.9
TOT OBS:	9															

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

	PRECIPITATION TYPE									OTHER WEATHER PHENOMENA					
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG	DUST SNOW	NO SIG WEA
00603	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
06609	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
12615	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
18621	50.0	.0	.0	.0	.0	.0	.0	50.0	.0	.0	.0	.0	.0	.0	.0	50.0
TOT PCT	11.1	.0	.0	.0	.0	.0	.0	11.1	.0	.0	.0	.0	.0	.0	.0	88.9
TOT OBS:	9															

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	WIND SPEED (KNOTS)									HOUR (GMT)							
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NE	.0	.0	1.9	1.9	.0	.0		3.8	18.5	.0	.0	16.7	4.3	.0	.0	.0	.0
E	.0	1.4	.0	.0	.0	.0		1.4	9.0	.0	.0	.0	.0	.0	.0	.0	4.4
SE	1.9	15.6	17.5	1.9	.0	.0		36.8	11.9	50.0	.0	50.0	39.1	12.5	.0	.0	36.8
S	1.9	17.0	21.2	.0	.0	.0		40.1	11.8	50.0	.0	25.0	37.0	87.5	.0	50.0	41.2
SW	1.9	1.9	2.8	.0	.0	.0		6.6	8.8	.0	.0	8.3	6.5	.0	.0	16.7	5.9
W	1.4	1.9	.9	.0	.0	.0		4.2	8.6	.0	.0	.0	5.4	.0	.0	.0	5.9
NW	.5	1.9	2.8	.0	.0	.0		5.2	11.0	.0	.0	.0	3.3	.0	.0	33.3	5.9
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	1.9							1.9	.0	.0	.0	.0	4.3	.0	.0	.0	.0
TOT OBS	5	21	25	2	0	0	53		11.4	2	0	6	23	2	0	3	17
TOT PCT	9.4	39.6	47.2	3.8	.0	.0		100.0		100.0	.0	100.0	100.0	100.0	.0	100.0	100.0

TABLE 3A

	WIND SPEED (KNOTS)								HOUR (GMT)			
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	06 09	12 15	18 21
N	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
NE	.0	1.9	1.9	.0	.0		3.8	18.5	.0	6.9	.0	.0
E	.0	1.4	.0	.0	.0		1.4	9.0	.0	.0	.0	3.8
SE	3.8	25.0	8.0	.0	.0		36.8	11.9	50.0	41.4	12.5	31.3
S	5.2	25.0	9.9	.0	.0		40.1	11.8	50.0	34.5	87.5	42.5
SW	2.4	3.3	.9	.0	.0		6.6	8.8	.0	6.9	.0	7.5
W	1.4	1.9	.9	.0	.0		4.2	8.6	.0	4.3	.0	5.0
NW	2.4	1.9	.9	.0	.0		5.2	11.0	.0	2.6	.0	10.0
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	1.9						1.9	.0	.0	3.4	.0	.0
TOT OBS	9	32	12	0	0	53		11.4	2	29	2	20
TOT PCT	17.0	60.4	22.6	.0	.0		100.0		100.0	100.0	100.0	100.0

MARCH

PERIOD: (PRIMARY) 1911-1972
(OVER-ALL) 1865-1972

AREA 0022 ISLAS JUAN FERNANDEZ
33.3S 78.1W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
				WIND SPEED (KNOTS)						
00&03	.0	.0	100.0	.0	.0	.0	.0	7.0	100.0	2
06&09	3.4	6.9	31.0	51.7	6.9	.0	.0	12.1	100.0	29
12&15	.0	.0	.0	100.0	.0	.0	.0	18.5	100.0	2
18&21	.0	10.0	50.0	40.0	.0	.0	.0	10.3	100.0	20
TOT	1	4	21	25	2	0	0	11.4		53
PCT	1.9	7.5	39.6	47.2	3.8	.0	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OVCD	TOTAL OBS	MEAN CLOUD COVER
N	.0	.0	.0	.0		.0
NE	.0	.0	.0	.0		.0
E	.0	.0	.0	.0		.0
SE	.0	12.5	3.1	.0		3.8
S	.0	12.5	37.5	12.5		5.8
SW	.0	.0	9.4	.0		5.6
W	.0	.0	.0	.0		.0
NW	.0	.0	.0	12.5		8.0
VAR	.0	.0	.0	.0		.0
CALM	.0	.0	.0	.0		.0
TOT OBS	0	2	4	2	8	5.7
TOT PCT	.0	25.0	50.0	25.0	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT,NH >4/8) AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

WND DIR	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	TOTAL OBS
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
E	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
SE	.0	.0	.0	.0	3.1	.0	.0	.0	.0	.0	12.5	
S	.0	.0	.0	12.5	21.9	.0	15.6	.0	.0	.0	12.5	
SW	.0	.0	.0	.0	.0	.0	9.4	.0	.0	.0	.0	
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
NW	.0	.0	.0	.0	12.5	.0	.0	.0	.0	.0	.0	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT OBS	0	0	0	1	3	0	2	0	0	0	2	8
TOT PCT	.0	.0	.0	12.5	37.5	.0	25.0	.0	.0	.0	25.0	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) * OR >10	* OR >5	* OR >2	* OR >1	* OR >1/2	* OR >1/4	* OR >50YD	* OR >0
* OR >6500	.0	.0	.0	.0	.0	.0	.0	.0
* OR >5000	.0	.0	.0	.0	.0	.0	.0	.0
* OR >3500	12.5	25.0	25.0	25.0	25.0	25.0	25.0	25.0
* OR >2000	12.5	25.0	25.0	25.0	25.0	25.0	25.0	25.0
* OR >1000	37.5	50.0	62.5	62.5	62.5	62.5	62.5	62.5
* OR >600	50.0	62.5	75.0	75.0	75.0	75.0	75.0	75.0
* OR >300	50.0	62.5	75.0	75.0	75.0	75.0	75.0	75.0
* OR >150	50.0	62.5	75.0	75.0	75.0	75.0	75.0	75.0
* OR > 0	50.0	62.5	75.0	75.0	75.0	75.0	75.0	75.0
TOTAL	4	5	6	6	6	6	6	6

TOTAL NUMBER OF OBS: 8 PCT FREQ NH <5/8: 25.0

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	OBSCD	TOTAL OBS
.0	.0	.0	22.2	.0	22.2	.0	22.2	33.3	.0	9

MARCH

PERIOD: (PRIMARY) 1911-1974
(OVER-ALL) 1865-1974

AREA 0022 ISLAS JUAN FERNANDEZ
33.3S 78.1W

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	PCP	.0	.0	.0	.0	.0	.0	.0	11.1	.0	.0	11.1	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	11.1	.0	.0	11.1	
5<10	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	16.7	5.6	.0	.0	.0	.0	22.2	
	TOT %	.0	.0	.0	.0	16.7	5.6	.0	.0	.0	.0	22.2	
10+	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	13.9	50.0	2.8	.0	.0	.0	.0	66.7	
	TOT %	.0	.0	.0	13.9	50.0	2.8	.0	.0	.0	.0	66.7	
	TOT OBS												9
	TOT PCT	.0	.0	.0	13.9	66.7	8.3	.0	11.1	.0	.0	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	11.1	.0		11.1	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	11.1	.0	.0	11.1	
5<10	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	16.7	5.6	.0	.0	.0		22.2	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	16.7	5.6	.0	.0	.0	.0	22.2	
10+	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	11.1	30.6	2.8	.0	.0	.0		44.4	
	11-21	.0	.0	.0	2.8	19.4	.0	.0	.0	.0		22.2	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	13.9	50.0	2.8	.0	.0	.0	.0	66.7	
	TOT OBS												9
	TOT PCT	.0	.0	.0	13.9	66.7	8.3	.0	11.1	.0	.0	100.0	

MARCH

PERIOD: (PRIMARY) 1911-1976
(OVER-ALL) 1865-1972

AREA 0022 ISLAS JUAN FERNANDEZ
33.3S 78.1W

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00&03	.0	.0	.0	.0	50.0	.0	.0	.0	.0	.0	50.0	50.0	2
06&09	.0	.0	.0	33.3	.0	.0	33.3	.0	.0	.0	66.7	33.3	3
12&15	.0	.0	.0	.0	100.0	.0	.0	.0	.0	.0	100.0	.0	1
18&21	.0	.0	.0	.0	50.0	.0	50.0	.0	.0	.0	100.0	.0	2
TOT	0	0	0	1	3	0	2	0	0	0	6	2	8
PCT	.0	.0	.0	12.5	37.5	.0	25.0	.0	.0	.0	75.0	25.0	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00&03	.0	.0	.0	.0	.0	100.0	2
06&09	.0	.0	.0	.0	66.7	33.3	3
12&15	.0	.0	.0	.0	.0	100.0	2
18&21	.0	.0	.0	50.0	.0	50.0	2
TOT	0	0	0	1	2	6	9
PCT	.0	.0	.0	11.1	22.2	66.7	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET, NH >4/8), BY HOUR

HOUR (GMT)	<150 <5OYD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL OBS
00&03	.0	.0	.0	50.0	50.0	2
06&09	.0	.0	33.3	33.3	33.3	3
12&15	.0	.0	.0	100.0	.0	1
18&21	.0	.0	50.0	50.0	.0	2
TOT	0	0	2	4	2	8
PCT	.0	.0	25.0	50.0	25.0	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
65/69	.0	.0	.0	.0	14.3	.0	.0	14.3	2	28.6
60/64	.0	.0	.0	.0	.0	28.6	14.3	28.6	5	71.4
TOTAL	0	0	0	0	1	2	1	3	7	100.0
PCT	.0	.0	.0	.0	14.3	28.6	14.3	42.9		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

	N	NE	E	SE	S	SW	W	NW	VAR	CALM
	.0	.0	.0	14.3	14.3	.0	.0	.0	.0	.0
	.0	.0	.0	3.6	46.4	7.1	.0	14.3	.0	.0
	.0	.0	.0	17.9	60.7	7.1	.0	14.3	.0	.0

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00&03	67	66	66	66	66	66	66	66.5	2
06&09	67	66	66	63	58	54	54	62.7	29
12&15	65	64	64	63	63	63	63	64.0	2
18&21	70	69	68	64	61	61	61	64.4	20
TOT	70	69	68	64	58	54	54	63.5	53

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00&03	.0	.0	50.0	.0	.0	50.0	78	2
06&09	.0	.0	.0	33.3	33.3	33.3	82	3
12&15	.0	.0	.0	100.0	.0	.0	78	1
18&21	.0	.0	.0	.0	.0	100.0	95	1
TOT	0	0	1	2	1	3	82	7

PERIOD: (PRIMARY) 1911-1974
(OVER-ALL) 1865-1974

AREA 0022 ISLAS JUAN FERNANDEZ
33.3S 78.1W

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	57 60	61 64	65 68	TOT	W FOG	WO FOG
2	.0	14.3	.0	1	.0	14.3
-1	.0	14.3	14.3	2	.0	28.6
-3	28.6	.0	14.3	3	.0	42.9
-4	.0	14.3	.0	1	.0	14.3
TOTAL	2		2	7	0	7
PCT	28.6	42.9	28.6	100.0		100.0

PERIOD: (OVER-ALL) 1963-1972

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	25.0	.0	.0	.0	.0	25.0
5-6	.0	.0	6.3	.0	.0	.0	6.3
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	25.0	6.3	.0	.0	.0	31.3

PERIOD: (OVER-ALL) 1963-1972

MARCH

AREA 0022 ISLAS JUAN FERNANDEZ
33.3S 78.1W

TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

S

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	25.0	.0	.0	.0	.0	25.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	18.8	.0	.0	.0	18.8
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	25.0	18.8	.0	.0	.0	43.8

SW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0

W

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0

NW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	.0	.0	.0	.0	.0	.0	.0	
1-2	.0	.0	.0	.0	.0	.0	.0	
3-4	.0	.0	.0	.0	.0	.0	.0	
5-6	.0	.0	25.0	.0	.0	.0	25.0	
7	.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.0	.0	25.0	.0	.0	.0	25.0	100.0

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	.0	.0	.0	.0	.0	.0	.0	
1-2	.0	25.0	.0	.0	.0	.0	25.0	
3-4	.0	25.0	.0	.0	.0	.0	25.0	
5-6	.0	.0	50.0	.0	.0	.0	50.0	
7	.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.0	50.0	50.0	.0	.0	.0	100.0	4

PERIOD: (OVER-ALL) 1955-1972

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	.0	.0	25.0	.0	.0	12.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3	5
6-7	.0	.0	.0	.0	50.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4	7
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
12-13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
>13	.0	.0	.0	.0	12.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	7
INDET	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
TOTAL	0	0	2	0	5	1	0	0	0	0	0	0	0	0	0	0	0	0	0	8	6
PCT	.0	.0	25.0	.0	62.5	12.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

APRIL

PERIOD: (PRIMARY) 1911-1977
(OVER-ALL) 1882-1977

AREA 0022 ISLAS JUAN FERNANDEZ
33.1S 78.4W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
E	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
SE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
S	.0	.0	.0	.0	.0	.0	.0	.0	6.2	.0	.0	.0	.0	.0	.0	93.8
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
NW	50.0	.0	.0	.0	.0	.0	.0	50.0	50.0	.0	.0	.0	.0	.0	.0	.0
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	4.2	.0	.0	.0	.0	.0	.0	4.2	8.3	.0	.0	.0	.0	.0	.0	87.5
TOT OBS:	24															

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
00603	11.1	.0	.0	.0	.0	.0	.0	11.1	11.1	.0	.0	.0	.0	.0	.0	77.8
06609	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
12615	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
18621	.0	.0	.0	.0	.0	.0	.0	.0	16.7	.0	.0	.0	.0	.0	.0	83.3
TOT PCT	4.2	.0	.0	.0	.0	.0	.0	4.2	8.3	.0	.0	.0	.0	.0	.0	87.5
TOT OBS:	24															

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	WIND SPEED (KNOTS)									HOUR (GMT)							
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NE	1.8	.0	.0	.0	.0	.0		1.8	2.0	.0	.0	.0	8.3	.0	.0	.0	.0
E	.0	3.6	1.4	.0	.0	.0		5.0	7.1	.0	.0	13.5	.0	.0	.0	14.3	.0
SE	.0	1.8	5.9	6.4	.0	.0		14.1	16.9	2.5	.0	19.2	8.3	50.0	.0	14.3	18.2
S	.0	8.6	22.7	13.6	.0	.0		45.0	17.3	77.5	.0	57.7	16.7	50.0	.0	42.9	31.8
SW	3.6	.9	2.7	.0	.0	.0		7.3	8.1	10.0	.0	1.9	8.3	.0	.0	3.6	13.6
W	.0	5.0	1.8	.0	.0	.0		6.8	8.8	.0	.0	.0	16.7	.0	.0	10.7	9.1
NW	3.6	3.6	9.1	1.8	.0	.0		18.2	12.0	10.0	.0	7.7	33.3	.0	.0	14.3	27.3
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	1.8							1.8	.0	.0	.0	.0	8.3	.0	.0	.0	.0
TOT OBS	6	13	24	12	0	0	55		13.9	10	0	13	12	2	0	7	11
TOT PCT	10.9	23.6	43.6	21.8	.0	.0		100.0		100.0	.0	100.0	100.0	100.0	.0	100.0	100.0

TABLE 3A

	WIND SPEED (KNOTS)								HOUR (GMT)			
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	06 09	12 15	18 21
N	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
NE	1.8	.0	.0	.0	.0		1.8	2.0	.0	4.0	.0	.0
E	3.6	1.4	.0	.0	.0		5.0	7.1	.0	7.0	.0	5.6
SE	1.8	5.9	5.9	.5	.0		14.1	16.9	2.5	14.0	50.0	16.7
S	5.0	15.9	19.1	5.0	.0		45.0	17.3	77.5	38.0	50.0	36.1
SW	4.1	.9	2.3	.0	.0		7.3	8.1	10.0	5.0	.0	9.7
W	1.8	5.0	.0	.0	.0		6.8	8.8	.0	8.0	.0	9.7
NW	3.6	9.1	5.5	.0	.0		18.2	12.0	10.0	20.0	.0	22.2
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	1.8						1.8	.0	.0	4.0	.0	.0
TOT OBS	13	21	18	3	0	55		13.9	10	25	2	18
TOT PCT	23.6	38.2	32.7	5.5	.0		100.0		100.0	100.0	100.0	100.0

APRIL

PERIOD: (PRIMARY) 1911-1977
(OVER-ALL) 1882-1977

AREA 0022 ISLAS JUAN FERNANDEZ
33.1S 78.4W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS) 1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00&03	.0	.0	10.0	70.0	20.0	.0	.0	16.9	100.0	10
06&09	4.0	12.0	28.0	32.0	24.0	.0	.0	13.1	100.0	25
12&15	.0	.0	.0	50.0	50.0	.0	.0	21.0	100.0	2
18&21	.0	11.1	27.8	44.4	16.7	.0	.0	12.7	100.0	18
TOT	1	5	13	24	12	0	0	13.9		55
PCT	1.8	9.1	23.6	43.6	21.8	.0	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	.0	.0	.0	.0		.0
NE	.0	.0	.0	.0		.0
E	.0	.0	4.3	.0		7.0
SE	.0	8.7	2.2	.0		3.8
S	8.7	4.3	44.6	8.7		5.6
SW	.0	4.3	1.1	1.1		5.1
W	.0	.0	.0	3.3		8.0
NW	.0	.0	4.3	4.3		7.0
VAR	.0	.0	.0	.0		.0
CALM	.0	.0	.0	.0		.0
TOT OBS	2	4	13	4	23	5.6
TOT PCT	8.7	17.4	56.5	17.4	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT,NH >4/8) AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

WND DIR	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	TOTAL OBS
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
E	.0	.0	.0	4.3	.0	.0	.0	.0	.0	.0	.0	
SE	.0	.0	.0	1.1	.0	.0	.0	.0	.0	.0	9.8	
S	.0	.0	.0	12.0	20.7	4.3	.0	13.0	.0	.0	16.3	
SW	.0	.0	.0	.0	2.2	.0	.0	.0	.0	.0	4.3	
W	.0	.0	.0	.0	3.3	.0	.0	.0	.0	.0	.0	
NW	.0	.0	.0	4.3	4.3	.0	.0	.0	.0	.0	.0	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT OBS	0	0	0	5	7	1	0	3	0	0	7	23
TOT PCT	.0	.0	.0	21.7	30.4	4.3	.0	13.0	.0	.0	30.4	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) * OR >10	* OR >5	* OR >2	* OR >1	* OR >1/2	* OR >1/4	* OR >50YD	* OR >0
* OR >6500	.0	.0	.0	.0	.0	.0	.0	.0
* OR >5000	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0
* OR >3500	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0
* OR >2000	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4
* OR >1000	43.5	43.5	47.8	47.8	47.8	47.8	47.8	47.8
* OR >600	65.2	65.2	69.6	69.6	69.6	69.6	69.6	69.6
* OR >300	65.2	65.2	69.6	69.6	69.6	69.6	69.6	69.6
* OR >150	65.2	65.2	69.6	69.6	69.6	69.6	69.6	69.6
* OR > 0	65.2	65.2	69.6	69.6	69.6	69.6	69.6	69.6
TOTAL	15	15	16	16	16	16	16	16

TOTAL NUMBER OF OBS: 23

PCT FREQ NH <5/8: 30.4

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8 OBSCD	TOTAL OBS
4.3	4.3	.0	4.3	17.4	13.0	13.0	26.1	17.4	.0	23

PERIOD: (PRIMARY) 1911-1977
(OVER-ALL) 1882-1977

AREA 0022 ISLAS JUAN FERNANDEZ
33.1S 78.4W

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	PCP	.0	.0	.0	.0	.0	.0	.0	4.3	.0	.0	4.3	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	4.3	.0	.0	4.3	
5<10	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	4.3	.0	.0	.0	.0	.0	4.3	
	TOT %	.0	.0	.0	.0	4.3	.0	.0	.0	.0	.0	4.3	
10+	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	4.3	10.9	62.0	6.5	3.3	4.3	.0	.0	91.3	
	TOT %	.0	.0	4.3	10.9	62.0	6.5	3.3	4.3	.0	.0	91.3	
	TOT OBS												23
	TOT PCT	.0	.0	4.3	10.9	66.3	6.5	3.3	8.7	.0	.0	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	4.3	.0		4.3	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	4.3	.0	.0	4.3	
5<10	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	4.3	.0	.0	.0	.0		4.3	
	TOT %	.0	.0	.0	.0	4.3	.0	.0	.0	.0	.0	4.3	
10+	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	4.3	.0	7.6	2.2	3.3	.0	.0		17.4	
	11-21	.0	.0	.0	4.3	36.8	4.3	.0	4.3	.0		47.8	
	22+	.0	.0	.0	6.5	19.6	.0	.0	.0	.0		26.1	
	TOT %	.0	.0	4.3	10.9	62.0	6.5	3.3	4.3	.0	.0	91.3	
	TOT OBS												23
	TOT PCT	.0	.0	4.3	10.9	66.3	6.5	3.3	8.7	.0	.0	100.0	

APRIL

PERIOD: (PRIMARY) 1911-1977
(OVER-ALL) 1882-1977

AREA 0022 ISLAS JUAN FERNANDEZ
33.1S 78.4W

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00&03	.0	.0	.0	12.5	37.5	.0	.0	12.5	.0	.0	62.5	37.5	8
06&09	.0	.0	.0	14.3	42.9	.0	.0	14.3	.0	.0	71.4	28.6	7
12&15	.0	.0	.0	.0	.0	50.0	.0	.0	.0	.0	50.0	50.0	2
18&21	.0	.0	.0	50.0	16.7	.0	.0	16.7	.0	.0	83.3	16.7	6
TOT	0	0	0	5	7	1	0	3	0	0	16	7	23
PCT	.0	.0	.0	21.7	30.4	4.3	.0	13.0	.0	.0	69.6	30.4	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00&03	.0	.0	.0	12.5	.0	87.5	8
06&09	.0	.0	.0	.0	14.3	85.7	7
12&15	.0	.0	.0	.0	.0	100.0	2
18&21	.0	.0	.0	.0	.0	100.0	6
TOT	0	0	0	1	1	21	23
PCT	.0	.0	.0	4.3	4.3	91.3	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET, NH >4/8), BY HOUR

HOUR (GMT)	<150 <5000	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL OBS
00&03	.0	.0	25.0	37.5	37.5	8
06&09	.0	.0	14.3	57.1	28.6	7
12&15	.0	.0	.0	50.0	50.0	2
18&21	.0	.0	50.0	33.3	16.7	6
TOT	0	0	6	10	7	23
PCT	.0	.0	26.1	43.5	30.4	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
65/69	.0	.0	.0	3.8	7.7	.0	11.5	.0	6	23.1
60/64	.0	.0	.0	.0	30.8	30.8	11.5	3.8	20	76.9
TOTAL	0	0	0	1	10	8	6	1	26	100.0
PCT	.0	.0	.0	3.8	38.5	30.8	23.1	3.8		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
.0	.0	3.8	.0	14.4	1.9	2.9	.0	.0	.0
.0	.0	.0	5.8	59.6	3.8	.0	7.7	.0	.0
.0	.0	3.8	5.8	74.0	5.8	2.9	7.7	.0	.0

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00&03	65	64	64	63	61	61	61	62.7	10
06&09	67	66	65	62	59	58	58	62.1	25
12&15	63	62	62	62	62	62	62	62.5	2
18&21	70	69	69	65	59	59	59	65.0	17
TOT	70	69	68	63	59	58	58	63.1	54

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00&03	.0	.0	40.0	40.0	10.0	10.0	74	10
06&09	.0	.0	25.0	37.5	37.5	.0	76	8
12&15	.0	.0	50.0	50.0	.0	.0	71	2
18&21	.0	16.7	50.0	.0	33.3	.0	70	6
TOT	0	1	10	8	6	1	73	26

APRIL

PERIOD: (PRIMARY) 1911-1977
(OVER-ALL) 1882-1977

AREA 0022 ISLAS JUAN FERNANDEZ
33.1S 78.4W

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	57 60	61 64	65 68	69 72	TOT	W FOG	WO FOG
3	.0	.0	4.2	.0	1	.0	4.2
2	.0	8.3	.0	.0	2	.0	8.3
1	.0	.0	4.2	4.2	2	.0	8.3
0	.0	8.3	8.3	4.2	5	.0	20.8
-1	.0	8.3	.0	.0	2	.0	8.3
-2	.0	12.5	.0	.0	3	.0	12.5
-3	.0	29.2	.0	.0	7	.0	29.2
-4	4.2	.0	.0	.0	1	.0	4.2
-7/-8	.0	4.2	.0	.0	1	.0	4.2
TOTAL	1		4			0	24
		17		2	24		
PCT	4.2	70.8	16.7	8.3	100.0		100.0

PERIOD: (OVER-ALL) 1964-1977

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	5.3	.0	.0	.0	.0	5.3
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	5.3	.0	.0	.0	.0	5.3

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	7.9	.0	.0	7.9
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	7.9	.0	.0	7.9

PERIOD: (OVER-ALL) 1963-1977 APRIL AREA 0022 ISLAS JUAN FERNANDEZ 33.1S 78.4W

TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

S

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	9.2	.0	.0	.0	.0	9.2
3-4	.0	.0	.0	13.2	.0	.0	13.2
5-6	.0	.0	5.3	5.3	.0	.0	10.5
7	.0	.0	5.3	.0	.0	.0	5.3
8-9	.0	.0	10.5	.0	.0	.0	10.5
10-11	.0	.0	10.5	5.3	.0	.0	15.8
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	9.2	31.6	23.7	.0	.0	64.5

SW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	2.6	.0	.0	.0	.0	2.6
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	5.3	.0	.0	.0	5.3
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	2.6	5.3	.0	.0	.0	7.9

W

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	3.9	.0	.0	.0	.0	3.9
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	3.9	.0	.0	.0	.0	3.9

NW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	.0	.0	.0	.0	.0	.0	.0	
1-2	.0	.0	5.3	.0	.0	.0	5.3	
3-4	.0	.0	5.3	.0	.0	.0	5.3	
5-6	.0	.0	.0	.0	.0	.0	.0	
7	.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.0	.0	10.5	.0	.0	.0	10.5	100.0

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	.0	.0	.0	.0	.0	.0	.0	
1-2	.0	21.1	5.3	.0	.0	.0	26.3	
3-4	.0	.0	5.3	21.1	.0	.0	26.3	
5-6	.0	.0	10.5	5.3	.0	.0	15.8	
7	.0	.0	5.3	.0	.0	.0	5.3	
8-9	.0	.0	10.5	.0	.0	.0	10.5	
10-11	.0	.0	10.5	5.3	.0	.0	15.8	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.0	21.1	47.4	31.6	.0	.0	100.0	19

PERIOD: (OVER-ALL) 1950-1977

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	.0	.0	.0	5.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	5
6-7	.0	.0	10.0	.0	10.0	15.0	15.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	10	7
8-9	.0	.0	5.0	.0	10.0	.0	10.0	5.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6	8
10-11	.0	.0	.0	.0	.0	.0	10.0	.0	5.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3	11
12-13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
>13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
INDET	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
TOTAL	0	0	3	1	4	3	7	1	1	0	0	0	0	0	0	0	0	0	0	20	8
PCT	.0	.0	15.0	5.0	20.0	15.0	35.0	5.0	5.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

PERIOD: (PRIMARY) 1906-1977
(OVER-ALL) 1880-1977

AREA 0022 ISLAS JUAN FERNANDEZ
33.0S 78.3W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

	PRECIPITATION TYPE									OTHER WEATHER PHENOMENA					
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG	DUST SNOW BLWG	NO SIG WEA
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0
NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0
E	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	100.0
SE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	100.0
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	100.0
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	100.0
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	100.0
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	.0	.0	.0		.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0	.0	.0	10.0	.0	.0	.0		.0	90.0
TOT OBS:	10															

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

	PRECIPITATION TYPE									OTHER WEATHER PHENOMENA					
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG	DUST SNOW BLWG	NO SIG WEA
00603	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	100.0
06609	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	100.0
12615	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	.0	.0	.0		.0	.0
18621	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	100.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0	.0	.0	10.0	.0	.0	.0		.0	90.0
TOT OBS:	10															

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	WIND SPEED (KNOTS)								HOUR (GMT)							
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	.0	2.9	.0	.0	.0	.0		2.9	9.0	.0	.0	.0	3.3	.0	.0	.0	4.2
NE	.0	1.9	.0	.0	.0	.0		1.9	9.0	.0	.0	.0	3.3	.0	.0	.0	2.1
E	.0	.0	1.4	.0	.0	.0		1.4	18.0	15.0	.0	.0	.0	.0	.0	.0	.0
SE	1.9	1.9	2.4	.0	.0	.0		6.3	9.3	25.0	.0	.0	6.7	.0	.0	.0	4.2
S	1.4	7.7	6.7	.0	.0	.0		15.9	10.9	.0	.0	16.7	11.7	.0	.0	100.0	18.8
SW	.5	9.6	8.7	.0	.0	.0		18.8	11.4	.0	.0	16.7	15.0	.0	.0	.0	27.1
W	1.4	8.7	2.4	1.4	.0	.0		13.9	9.6	15.0	.0	16.7	23.3	.0	.0	.0	8.3
NW	2.4	15.4	5.3	10.1	1.9	.0		35.1	16.5	45.0	.0	50.0	36.7	.0	.0	.0	31.3
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	3.8							3.8	.0	.0	.0	.0	.0	100.0	.0	.0	4.2
TOT OBS	6	25	14	6	1	0	52		12.3	5	0	6	15	1	0	1	24
TOT PCT	11.5	48.1	26.9	11.5	1.9	.0		100.0		100.0	.0	100.0	100.0	100.0	.0	100.0	100.0

TABLE 3A

	WIND SPEED (KNOTS)								HOUR (GMT)			
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	06 09	12 15	18 21
N	.0	2.9	.0	.0	.0		2.9	9.0	.0	2.4	.0	4.0
NE	.0	1.9	.0	.0	.0		1.9	9.0	.0	2.4	.0	2.0
E	.0	.0	1.4	.0	.0		1.4	18.0	15.0	.0	.0	.0
SE	1.9	3.8	.5	.0	.0		6.3	9.3	25.0	4.8	.0	4.0
S	3.8	8.2	3.8	.0	.0		15.9	10.9	.0	13.1	.0	22.0
SW	3.8	9.1	5.8	.0	.0		18.8	11.4	.0	15.5	.0	26.0
W	6.7	4.3	2.9	.0	.0		13.9	9.6	15.0	21.4	.0	8.0
NW	4.8	17.8	2.9	7.7	1.9		35.1	16.5	45.0	40.5	.0	30.0
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	3.8						3.8	.0	.0	.0	100.0	4.0
TOT OBS	13	25	9	4	1	52		12.3	5	21	1	25
TOT PCT	25.0	48.1	17.3	7.7	1.9		100.0		100.0	100.0	100.0	100.0

MAY

PERIOD: (PRIMARY) 1906-1977
(OVER-ALL) 1880-1977

AREA 0022 ISLAS JUAN FERNANDEZ
33.0S 78.3W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS) 1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00&03	.0	.0	60.0	40.0	.0	.0	.0	12.6	100.0	5
06&09	.0	9.5	52.4	28.6	9.5	.0	.0	11.1	100.0	21
12&15	100.0	.0	.0	.0	.0	.0	.0	.0	100.0	1
18&21	4.0	8.0	44.0	24.0	16.0	4.0	.0	13.7	100.0	25
TOT	2	4	25	14	6	1	0	12.3		52
PCT	3.8	7.7	48.1	26.9	11.5	1.9	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	.0	.0	.0	.0		.0
NE	.0	.0	.0	.0		.0
E	.0	.0	8.3	.0		7.0
SE	.0	11.1	2.8	.0		4.6
S	.0	.0	.0	.0		.0
SW	.0	.0	.0	.0		.0
W	8.3	.0	11.1	.0		3.7
NW	25.0	.0	22.2	.0		3.4
VAR	.0	.0	.0	.0		.0
CALM	.0	.0	.0	11.1		8.0
TOT OBS	3	1	4	1	9	4.4
TOT PCT	33.3	11.1	44.4	11.1	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT,NH >4/8) AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

WND DIR	000-149	150-299	300-599	600-999	1000-1999	2000-3499	3500-4999	5000-6499	6500-7999	8000+	NH <5/8 ANY HGT	TOTAL OBS
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
E	.0	.0	.0	8.3	.0	.0	.0	.0	.0	.0	.0	
SE	.0	.0	.0	2.8	.0	.0	.0	.0	.0	.0	11.1	
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
W	.0	.0	.0	.0	11.1	.0	.0	.0	.0	.0	8.3	
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	47.2	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	11.1	
TOT OBS	0	0	0	1	1	0	0	0	0	0	7	9
TOT PCT	.0	.0	.0	11.1	11.1	.0	.0	.0	.0	.0	77.8	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) * OR >10	* OR >5	* OR >2	* OR >1	* OR >1/2	* OR >1/4	* OR >50YD	* OR >0
* OR >6500	.0	.0	.0	.0	.0	.0	.0	.0
* OR >5000	.0	.0	.0	.0	.0	.0	.0	.0
* OR >3500	.0	.0	.0	.0	.0	.0	.0	.0
* OR >2000	.0	.0	.0	.0	.0	.0	.0	.0
* OR >1000	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1
* OR >600	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2
* OR >300	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2
* OR >150	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2
* OR > 0	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2
TOTAL	2	2	2	2	2	2	2	2

TOTAL NUMBER OF OBS: 9 PCT FREQ NH <5/8: 77.8

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8 OBSCD	TOTAL OBS
22.2	11.1	11.1	22.2	11.1	11.1	.0	11.1	.0	.0	9

PERIOD: (PRIMARY) 1906-1977
(OVER-ALL) 1880-1977

AREA 0022 ISLAS JUAN FERNANDEZ
33.0S 78.3W

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
5<10	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
10+	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	7.5	12.5	10.0	.0	17.5	42.5	.0	10.0	100.0	
	TOT %	.0	.0	7.5	12.5	10.0	.0	17.5	42.5	.0	10.0	100.0	
	TOT OBS												10
	TOT PCT	.0	.0	7.5	12.5	10.0	.0	17.5	42.5	.0	10.0	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
5<10	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
10+	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	10.0	10.0	
	4-10	.0	.0	.0	.0	.0	.0	17.5	42.5	.0		60.0	
	11-21	.0	.0	7.5	12.5	10.0	.0	.0	.0	.0		30.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	7.5	12.5	10.0	.0	17.5	42.5	.0	10.0	100.0	
	TOT OBS												10
	TOT PCT	.0	.0	7.5	12.5	10.0	.0	17.5	42.5	.0	10.0	100.0	

MAY

PERIOD: (PRIMARY) 1906-1977
(OVER-ALL) 1880-1977

AREA 0022 ISLAS JUAN FERNANDEZ
33.0S 78.3W

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00&03	.0	.0	.0	20.0	.0	.0	.0	.0	.0	.0	20.0	80.0	5
06&09	.0	.0	.0	.0	33.3	.0	.0	.0	.0	.0	33.3	66.7	3
12&15	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	1
18&21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0
TOT	0	0	0	1	1	0	0	0	0	0	2	7	9
PCT	.0	.0	.0	11.1	11.1	.0	.0	.0	.0	.0	22.2	77.8	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00&03	.0	.0	.0	.0	.0	100.0	5
06&09	.0	.0	.0	.0	.0	100.0	3
12&15	.0	.0	.0	.0	.0	100.0	1
18&21	.0	.0	.0	.0	.0	100.0	1
TOT	0	0	0	0	0	10	10
PCT	.0	.0	.0	.0	.0	100.0	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET, NH >4/8), BY HOUR

HOUR (GMT)	<150 <500YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL OBS
00&03	.0	.0	20.0	.0	80.0	5
06&09	.0	.0	.0	33.3	66.7	3
12&15	.0	.0	.0	.0	100.0	1
18&21	.0	.0	.0	.0	.0	0
TOT	0	0	1	1	7	9
PCT	.0	.0	11.1	11.1	77.8	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
65/69	.0	.0	.0	.0	.0	12.5	12.5	.0	2	25.0
60/64	.0	.0	.0	.0	.0	12.5	12.5	25.0	4	50.0
55/59	.0	.0	.0	.0	.0	12.5	12.5	.0	2	25.0
TOTAL	0	0	0	0	0	3	3	2	8	100.0
PCT	.0	.0	.0	.0	.0	37.5	37.5	25.0		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
.0	.0	.0	12.5	.0	.0	.0	12.5	.0	.0
.0	.0	.0	.0	.0	.0	21.9	28.1	.0	.0
.0	.0	.0	.0	.0	.0	.0	12.5	.0	12.5
.0	.0	.0	12.5	.0	.0	21.9	53.1	.0	12.5

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00&03	75	74	74	64	63	63	63	66.4	5
06&09	65	64	64	62	58	57	57	61.4	21
12&15	57	57	57	57	57	57	57	57.0	1
18&21	69	68	68	62	55	54	54	62.1	25
TOT	75	74	68	62	57	54	54	62.2	52

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00&03	.0	.0	.0	25.0	25.0	50.0	86	4
06&09	.0	.0	.0	66.7	33.3	.0	80	3
12&15	.0	.0	.0	.0	100.0	.0	84	1
18&21								
TOT	0	0	0	3	3	2	83	8

PERIOD: (PRIMARY) 1906-1977
(OVER-ALL) 1880-1977

AREA 0022 ISLAS JUAN FERNANDEZ
33.0S 78.3W

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRANCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	>7 60	61 64	65 68	TOT	W FOG	WO FOG
5	.0	12.5	.0	1	.0	12.5
4	.0	25.0	.0	2	.0	25.0
1	.0	12.5	12.5	2	.0	25.0
-2	12.5	.0	.0	1	.0	12.5
-4	12.5	.0	12.5	2	.0	25.0
TOTAL	2	4	2	8	0	8
PCT	25.0	50.0	25.0	100.0		100.0

PERIOD: (OVER-ALL) 1963-1977

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	12.5	.0	.0	.0	12.5
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	12.5	.0	.0	.0	12.5

PERIOD: (OVER-ALL) 1963-1977

MAY

AREA 0022 ISLAS JUAN FERNANDEZ
33.0S 78.3W

TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

	S							SW						
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

	W							NW							TOTAL
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	PCT
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1-2	.0	21.9	.0	.0	.0	.0	21.9	.0	28.1	.0	.0	.0	.0	28.1	
3-4	.0	.0	.0	.0	.0	.0	.0	.0	12.5	.0	.0	.0	.0	12.5	
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
7	.0	.0	.0	.0	.0	.0	.0	.0	12.5	.0	.0	.0	.0	12.5	
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.0	21.9	.0	.0	.0	.0	21.9	.0	53.1	.0	.0	.0	.0	53.1	87.5

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	12.5	.0	.0	.0	.0	.0	12.5	
1-2	.0	50.0	.0	.0	.0	.0	50.0	
3-4	.0	12.5	12.5	.0	.0	.0	25.0	
5-6	.0	.0	.0	.0	.0	.0	.0	
7	.0	12.5	.0	.0	.0	.0	12.5	
8-9	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	12.5	75.0	12.5	.0	.0	.0	100.0	8

PERIOD: (OVER-ALL) 1949-1977

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	.0	22.2	.0	11.1	22.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5	5
6-7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
8-9	.0	.0	.0	11.1	.0	.0	.0	.0	22.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3	10
10-11	.0	.0	.0	.0	.0	.0	11.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	10
12-13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
>13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
INDET	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
TOTAL	0	2	0	2	2	0	1	0	2	0	0	0	0	0	0	0	0	0	0	9	7
PCT	.0	22.2	.0	22.2	22.2	.0	11.1	.0	22.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

JUNE

PERIOD: (PRIMARY) 1911-1977
(OVER-ALL) 1903-1977

AREA 0022 ISLAS JUAN FERNANDEZ
33.1S 78.5W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	100.0
NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0
E	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0
SE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	100.0
SW	.0	.0	9.1	.0	.0	.0	.0	9.1	.0	.0	.0	.0	.0		.0	90.9
W	.0	.0	16.7	.0	.0	.0	.0	16.7	.0	.0	.0	.0	.0		.0	83.3
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	100.0
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0
TOT PCT	.0	.0	9.1	.0	.0	.0	.0	9.1	.0	.0	.0	.0	.0		.0	90.9
TOT OBS:	11															

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
00&03	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	100.0
06&09	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	100.0
12&15	.0	.0	50.0	.0	.0	.0	.0	50.0	.0	.0	.0	.0	.0		.0	50.0
18&21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	100.0
TOT PCT	.0	.0	9.1	.0	.0	.0	.0	9.1	.0	.0	.0	.0	.0		.0	90.9
TOT OBS:	11															

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	WIND SPEED (KNOTS)									HOUR (GMT)							
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	.0	9.5	2.0	2.0	2.0	.0		15.5	15.0	.0	.0	33.3	15.8	.0	.0	.0	22.1
NE	.0	.5	.0	.0	.0	.0		.5	9.0	.0	.0	.0	.0	.0	.0	.0	1.5
E	2.0	1.5	2.0	1.5	1.5	.0		8.5	18.1	.0	.0	33.3	11.8	.0	.0	.0	5.9
SE	.0	6.5	.0	4.5	.5	.0		11.5	15.3	.0	.0	.0	19.7	.0	.0	.0	11.8
S	4.0	.0	7.5	.0	.0	.0		11.5	11.2	37.5	.0	.0	13.2	.0	.0	.0	10.3
SW	.0	8.0	7.0	.0	.0	.0		15.0	10.7	12.5	.0	.0	7.9	62.5	.0	20.0	19.1
W	.0	5.5	9.0	.0	.0	.0		14.5	12.3	50.0	.0	33.3	9.2	37.5	.0	35.0	.0
NW	2.0	2.5	14.5	4.0	.0	.0		23.0	14.7	.0	.0	.0	22.4	.0	.0	45.0	29.4
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0							.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT OBS	4	17	21	6	2	0	50		13.7	4	0	3	19	2	0	5	17
TOT PCT	8.0	34.0	42.0	12.0	4.0	.0		100.0		100.0	.0	100.0	100.0	100.0	.0	100.0	100.0

TABLE 3A

	WIND SPEED (KNOTS)								HOUR (GMT)			
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	06 09	12 15	18 21
N	8.0	3.5	.0	2.0	2.0		15.5	15.0	.0	18.2	.0	17.0
NE	.0	.5	.0	.0	.0		.5	9.0	.0	.0	.0	1.1
E	2.0	1.5	2.0	3.0	.0		8.5	18.1	.0	14.8	.0	4.5
SE	6.0	.5	2.0	3.0	.0		11.5	15.3	.0	17.0	.0	9.1
S	4.0	4.5	3.0	.0	.0		11.5	11.2	37.5	11.4	.0	8.0
SW	6.0	6.0	3.0	.0	.0		15.0	10.7	12.5	6.8	62.5	19.3
W	3.5	11.0	.0	.0	.0		14.5	12.3	50.0	12.5	37.5	8.0
NW	2.5	14.5	4.0	2.0	.0		23.0	14.7	.0	19.3	.0	33.0
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	.0						.0	.0	.0	.0	.0	.0
TOT OBS	16	21	7	5	1	50		13.7	4	22	2	22
TOT PCT	32.0	42.0	14.0	10.0	2.0		100.0		100.0	100.0	100.0	100.0

JUNE

PERIOD: (PRIMARY) 1911-1977
(OVER-ALL) 1903-1977

AREA 0022 ISLAS JUAN FERNANDEZ
33.1S 78.5W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

	WIND SPEED (KNOTS)									
HOUR	CALM	1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00&03	.0	.0	.0	100.0	.0	.0	.0	18.5	100.0	4
06&09	.0	4.5	45.5	31.8	13.6	4.5	.0	13.1	100.0	22
12&15	.0	.0	.0	100.0	.0	.0	.0	13.5	100.0	2
18&21	.0	13.6	31.8	36.4	13.6	4.5	.0	13.5	100.0	22
TOT	0	4	17	21	6	2	0	13.7		50
PCT	.0	8.0	34.0	42.0	12.0	4.0	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	9.1	.0	.0	.0		.0
NE	.0	.0	.0	.0		.0
E	.0	.0	.0	.0		.0
SE	.0	.0	.0	.0		.0
S	.0	.0	13.6	.0		5.0
SW	.0	.0	13.6	11.4		6.3
W	27.3	.0	6.8	6.8		3.1
NW	.0	.0	11.4	.0		7.0
VAR	.0	.0	.0	.0		.0
CALM	.0	.0	.0	.0		.0
TOT OBS	4	0	5	2	11	4.3
TOT PCT	36.4	.0	45.5	18.2	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT,NH >4/8) AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

WND DIR	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	TOTAL OBS
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	9.1	
NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
E	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
SE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	13.6	
SW	.0	.0	2.3	9.1	.0	.0	.0	.0	.0	.0	13.6	
W	.0	.0	6.8	.0	6.8	.0	.0	.0	.0	.0	27.3	
NW	.0	.0	.0	.0	2.3	.0	.0	.0	.0	.0	9.1	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT OBS	0	0	1	1	1	0	0	0	0	0	8	11
TOT PCT	.0	.0	9.1	9.1	9.1	.0	.0	.0	.0	.0	72.7	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) * OR >10	* OR >5	* OR >2	* OR >1	* OR >1/2	* OR >1/4	* OR >50YD	* OR >0
* OR >6500	.0	.0	.0	.0	.0	.0	.0	.0
* OR >5000	.0	.0	.0	.0	.0	.0	.0	.0
* OR >3500	.0	.0	.0	.0	.0	.0	.0	.0
* OR >2000	.0	.0	.0	.0	.0	.0	.0	.0
* OR >1000	9.1	9.1	9.1	9.1	9.1	9.1	9.1	9.1
* OR >600	18.2	18.2	18.2	18.2	18.2	18.2	18.2	18.2
* OR >300	18.2	18.2	27.3	27.3	27.3	27.3	27.3	27.3
* OR >150	18.2	18.2	27.3	27.3	27.3	27.3	27.3	27.3
* OR > 0	18.2	18.2	27.3	27.3	27.3	27.3	27.3	27.3
TOTAL	2	2	3	3	3	3	3	3

TOTAL NUMBER OF OBS: 11 PCT FREQ NH <5/8: 72.7

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8 OBSCD	TOTAL OBS
18.2	18.2	9.1	9.1	18.2	.0	9.1	.0	18.2	.0	11

PERIOD: (PRIMARY) 1911-1977
(OVER-ALL) 1903-1977

AREA 0022 ISLAS JUAN FERNANDEZ
33.1S 78.5W

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	PCP	.0	.0	.0	.0	.0	2.3	6.8	.0	.0	.0	9.1	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	2.3	6.8	.0	.0	.0	9.1	
5<10	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
10+	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	9.1	.0	.0	.0	13.6	22.7	34.1	11.4	.0	.0	90.9	
	TOT %	9.1	.0	.0	.0	13.6	22.7	34.1	11.4	.0	.0	90.9	
	TOT OBS												11
	TOT PCT	9.1	.0	.0	.0	13.6	25.0	40.9	11.4	.0	.0	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	2.3	6.8	.0	.0		9.1	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	2.3	6.8	.0	.0	.0	9.1	
5<10	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
10+	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	9.1	.0	.0	.0	13.6	22.7	34.1	11.4	.0		90.9	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	9.1	.0	.0	.0	13.6	22.7	34.1	11.4	.0	.0	90.9	
	TOT OBS												11
	TOT PCT	9.1	.0	.0	.0	13.6	25.0	40.9	11.4	.0	.0	100.0	

JUNE

PERIOD: (PRIMARY) 1911-1977
(OVER-ALL) 1903-1977

AREA 0022 ISLAS JUAN FERNANDEZ
33.1S 78.5W

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET,NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00&03	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	4
06&09	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	1
12&15	.0	.0	50.0	50.0	.0	.0	.0	.0	.0	.0	100.0	.0	2
18&21	.0	.0	.0	.0	25.0	.0	.0	.0	.0	.0	25.0	75.0	4
TOT	0	0	1	1	1	0	0	0	0	0	3	8	11
PCT	.0	.0	9.1	9.1	9.1	.0	.0	.0	.0	.0	27.3	72.7	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00&03	.0	.0	.0	.0	.0	100.0	4
06&09	.0	.0	.0	.0	.0	100.0	1
12&15	.0	.0	.0	50.0	.0	50.0	2
18&21	.0	.0	.0	.0	.0	100.0	4
TOT	0	0	0	1	0	10	11
PCT	.0	.0	.0	9.1	.0	90.9	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET,NH >4/8),BY HOUR

HOUR (GMT)	<150 <50VSBY	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL OBS
00&03	.0	.0	.0	.0	100.0	4
06&09	.0	.0	.0	.0	100.0	1
12&15	.0	50.0	100.0	.0	.0	2
18&21	.0	.0	.0	25.0	75.0	4
TOT	0	1	2	1	8	11
PCT	.0	9.1	18.2	9.1	72.7	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
60/64	.0	.0	.0	.0	9.1	36.4	.0	.0	5	45.5
55/59	.0	.0	.0	9.1	18.2	18.2	.0	9.1	6	54.5
TOTAL	0	0	0	1	3	6	0	1	11	100.0
PCT	.0	.0	.0	9.1	27.3	54.5	.0	9.1		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

	N	NE	E	SE	S	SW	W	NW	VAR	CALM
	9.1	.0	.0	.0	.0	9.1	18.2	9.1	.0	.0
	.0	.0	.0	.0	13.6	15.9	22.7	2.3	.0	.0
	9.1	.0	.0	.0	13.6	25.0	40.9	11.4	.0	.0

TABLE 15

MEANS,EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00&03	61	60	60	57	57	57	57	58.5	4
06&09	64	63	62	58	53	53	53	58.3	22
12&15	63	62	62	58	58	58	58	60.5	2
18&21	64	63	63	60	57	54	54	60.2	22
TOT	64	63	63	59	54	53	53	59.2	50

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00&03	.0	.0	75.0	25.0	.0	.0	67	4
06&09	.0	.0	.0	100.0	.0	.0	77	1
12&15	.0	.0	.0	50.0	.0	50.0	84	2
18&21	.0	25.0	.0	75.0	.0	.0	69	4
TOT	0	1	3	6	0	1	71	11

JUNE

PERIOD: (PRIMARY) 1911-1977
(OVER-ALL) 1903-1977

AREA 0022 ISLAS JUAN FERNANDEZ
33.1S 78.5W

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	57 60	61 64	TOT	W FOG	WO FOG
3	.0	9.1	1	.0	9.1
2	.0	9.1	1	.0	9.1
1	.0	18.2	2	.0	18.2
0	18.2	.0	2	.0	18.2
-1	18.2	.0	2	.0	18.2
-4	18.2	.0	2	.0	18.2
-7/-8	9.1	.0	1	.0	9.1
TOTAL	7			0	11
		4	11		
PCT	63.6	36.4	100.0		100.0

PERIOD: (OVER-ALL) 1963-1977

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	9.1	.0	.0	.0	9.1
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	9.1	.0	.0	.0	9.1

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0

PERIOD: (OVER-ALL) 1963-1977 JUNE AREA 0022 ISLAS JUAN FERNANDEZ 33.1S 78.5W

TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

S

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	13.6	.0	.0	.0	13.6
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	13.6	.0	.0	.0	13.6

SW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	11.4	.0	.0	.0	11.4
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	13.6	.0	.0	.0	13.6
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	25.0	.0	.0	.0	25.0

W

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	34.1	.0	.0	.0	34.1
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	6.8	.0	.0	.0	6.8
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	40.9	.0	.0	.0	40.9

NW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	.0	.0	.0	.0	.0	.0	.0	
1-2	.0	.0	.0	.0	.0	.0	.0	
3-4	.0	.0	9.1	.0	.0	.0	9.1	
5-6	.0	.0	.0	.0	.0	.0	.0	
7	.0	.0	2.3	.0	.0	.0	2.3	
8-9	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.0	.0	11.4	.0	.0	.0	11.4	100.0

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	.0	.0	.0	.0	.0	.0	.0	
1-2	.0	.0	.0	.0	.0	.0	.0	
3-4	.0	.0	63.6	.0	.0	.0	63.6	
5-6	.0	.0	.0	.0	.0	.0	.0	
7	.0	.0	9.1	.0	.0	.0	9.1	
8-9	.0	.0	27.3	.0	.0	.0	27.3	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.0	.0	100.0	.0	.0	.0	100.0	11

PERIOD: (OVER-ALL) 1973-1977

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
6-7	.0	.0	.0	9.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	5
8-9	.0	.0	.0	.0	.0	.0	18.2	.0	18.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4	12
10-11	.0	.0	.0	.0	.0	.0	.0	9.1	45.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6	13
12-13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
>13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
INDET	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
TOTAL	0	0	0	1	0	0	2	1	7	0	0	0	0	0	0	0	0	0	0	11	12
PCT	.0	.0	.0	9.1	.0	.0	18.2	9.1	63.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

JULY

PERIOD: (PRIMARY) 1910-1977
(OVER-ALL) 1896-1977

AREA 0022 ISLAS JUAN FERNANDEZ
33.2S 78.2W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
E	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
SE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
S	.0	.0	15.0	.0	.0	.0	.0	15.0	.0	.0	.0	.0	.0	.0	.0	85.0
SW	.0	.0	2.4	.0	.0	.0	.0	2.4	9.8	.0	.0	.0	.0	.0	.0	87.8
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
NW	66.7	.0	.0	.0	.0	.0	.0	66.7	.0	.0	.0	.0	.0	.0	.0	33.3
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	10.0	.0	5.0	.0	.0	.0	.0	15.0	5.0	.0	.0	.0	.0	.0	.0	80.0
TOT OBS:	20															

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
00&03	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
06&09	.0	.0	16.7	.0	.0	.0	.0	16.7	.0	.0	.0	.0	.0	.0	.0	83.3
12&15	20.0	.0	.0	.0	.0	.0	.0	20.0	.0	.0	.0	.0	.0	.0	.0	80.0
18&21	20.0	.0	.0	.0	.0	.0	.0	20.0	20.0	.0	.0	.0	.0	.0	.0	60.0
TOT PCT	10.0	.0	5.0	.0	.0	.0	.0	15.0	5.0	.0	.0	.0	.0	.0	.0	80.0
TOT OBS:	20															

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	WIND SPEED (KNOTS)									HOUR (GMT)							
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	.7	6.7	1.7	.0	.0	.0		9.0	7.0	.0	.0	7.7	11.5	.0	.0	.0	10.5
NE	1.2	1.9	1.2	.0	.0	.0		4.3	9.2	.0	.0	7.7	6.4	.0	.0	.0	2.6
E	.0	.7	1.4	.0	.0	.0		2.1	12.0	.0	.0	.0	1.9	.0	.0	.0	3.9
SE	.0	3.3	6.2	4.8	1.9	.0		16.2	19.1	.0	.0	7.7	18.6	.0	.0	20.8	19.7
S	1.9	8.8	7.1	1.4	.0	.0		19.3	10.1	25.0	.0	25.0	18.6	.0	.0	29.2	18.4
SW	1.0	12.1	6.2	1.7	.0	.0		21.0	11.2	56.3	.0	44.2	14.7	65.0	.0	16.7	10.5
W	1.9	2.4	2.9	4.3	.0	.0		11.4	15.1	18.8	.0	.0	12.8	15.0	.0	.0	14.5
NW	.0	5.0	3.8	2.1	3.8	.0		14.8	21.6	.0	.0	7.7	15.4	20.0	.0	33.3	14.5
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	1.9							1.9	.0	.0	.0	.0	.0	.0	.0	.0	5.3
TOT OBS	9	43	32	15	6	0	105		13.6	4	0	13	39	5	0	6	38
TOT PCT	8.6	41.0	30.5	14.3	5.7	.0		100.0		100.0	.0	100.0	100.0	100.0	.0	100.0	100.0

TABLE 3A

	WIND SPEED (KNOTS)								HOUR (GMT)			
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	06 09	12 15	18 21
N	5.5	3.6	.0	.0	.0		9.0	7.0	.0	10.6	.0	9.1
NE	1.2	2.1	1.0	.0	.0		4.3	9.2	.0	6.7	.0	2.3
E	.7	.7	.7	.0	.0		2.1	12.0	.0	1.4	.0	3.4
SE	.2	6.2	7.9	1.9	.0		16.2	19.1	.0	15.9	.0	19.9
S	5.5	12.4	1.0	.5	.0		19.3	10.1	25.0	20.2	.0	19.9
SW	3.3	15.0	1.9	.7	.0		21.0	11.2	56.3	22.1	65.0	11.4
W	3.3	3.1	3.3	1.7	.0		11.4	15.1	18.8	9.6	15.0	12.5
NW	1.2	6.4	2.4	1.9	2.9		14.8	21.6	.0	13.5	20.0	17.0
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	1.9						1.9	.0	.0	.0	.0	4.5
TOT OBS	24	52	19	7	3	105		13.6	4	52	5	44
TOT PCT	22.9	49.5	18.1	6.7	2.9		100.0		100.0	100.0	100.0	100.0

JULY

PERIOD: (PRIMARY) 1910-1977
(OVER-ALL) 1896-1977

AREA 0022 ISLAS JUAN FERNANDEZ
33.2S 78.2W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
				WIND SPEED (KNOTS)						
00&03	.0	.0	50.0	25.0	25.0	.0	.0	15.0	100.0	4
06&09	.0	11.5	42.3	26.9	15.4	3.8	.0	13.0	100.0	52
12&15	.0	.0	60.0	20.0	.0	20.0	.0	17.8	100.0	5
18&21	4.5	2.3	36.4	36.4	13.6	6.8	.0	13.7	100.0	44
TOT	2	7	43	32	15	6	0	13.6		105
PCT	1.9	6.7	41.0	30.5	14.3	5.7	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	.0	.0	.0	.0		.0
NE	.0	.0	.0	.0		.0
E	.0	.0	.0	.0		.0
SE	.0	.0	1.5	.0		6.0
S	.0	.0	16.2	10.3		7.2
SW	1.5	23.5	30.9	1.5		4.9
W	4.4	.0	4.4	.0		4.0
NW	.0	.0	5.9	.0		7.0
VAR	.0	.0	.0	.0		.0
CALM	.0	.0	.0	.0		.0
TOT OBS	1	4	10	2	17	5.5
TOT PCT	5.9	23.5	58.8	11.8	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT,NH >4/8) AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

	000	150	300	600	1000	2000	3500	5000	6500	8000+	NH <5/8	TOTAL
	149	299	599	999	1999	3499	4999	6499	7999		ANY HGT	OBS
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
E	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
SE	.0	1.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	
S	.0	4.4	4.4	5.9	5.9	.0	.0	.0	.0	.0	5.9	
SW	.0	.0	1.5	1.5	5.9	.0	5.9	.0	.0	.0	42.6	
W	.0	.0	.0	4.4	.0	.0	.0	.0	.0	.0	4.4	
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.9	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT OBS	0	1	1	2	2	0	1	0	0	0	10	17
TOT PCT	.0	5.9	5.9	11.8	11.8	.0	5.9	.0	.0	.0	58.8	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) * OR >10	* OR >5	* OR >2	* OR >1	* OR >1/2	* OR >1/4	* OR >SOYD	* OR >0
* OR >6500	.0	.0	.0	.0	.0	.0	.0	.0
* OR >5000	.0	.0	.0	.0	.0	.0	.0	.0
* OR >3500	.0	5.9	5.9	5.9	5.9	5.9	5.9	5.9
* OR >2000	.0	5.9	5.9	5.9	5.9	5.9	5.9	5.9
* OR >1000	11.8	17.6	17.6	17.6	17.6	17.6	17.6	17.6
* OR >600	23.5	29.4	29.4	29.4	29.4	29.4	29.4	29.4
* OR >300	23.5	35.3	35.3	35.3	35.3	35.3	35.3	35.3
* OR >150	29.4	41.2	41.2	41.2	41.2	41.2	41.2	41.2
* OR > 0	29.4	41.2	41.2	41.2	41.2	41.2	41.2	41.2
TOTAL	5	7	7	7	7	7	7	7

TOTAL NUMBER OF OBS: 17

PCT FREQ NH <5/8: 58.8

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8 OBSCD	TOTAL OBS
.0	.0	16.7	11.1	27.8	11.1	5.6	11.1	16.7	.0	18

PERIOD: (PRIMARY) 1910-1977
(OVER-ALL) 1896-1977

AREA 0022 ISLAS JUAN FERNANDEZ
33.2S 78.2W

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	PCP	.0	.0	.0	.0	.0	.0	.0	10.0	.0	.0	10.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	10.0	.0	.0	10.0	
5<10	PCP	.0	.0	.0	.0	3.8	1.3	.0	.0	.0	.0	5.0	
	NO PCP	.0	.0	.0	.0	2.5	12.5	.0	.0	.0	.0	15.0	
	TOT %	.0	.0	.0	.0	6.3	13.8	.0	.0	.0	.0	20.0	
10+	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	1.3	18.8	37.5	7.5	5.0	.0	.0	70.0	
	TOT %	.0	.0	.0	1.3	18.8	37.5	7.5	5.0	.0	.0	70.0	
	TOT OBS												20
	TOT PCT	.0	.0	.0	1.3	25.0	51.3	7.5	15.0	.0	.0	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	10.0	.0		10.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	10.0	.0	.0	10.0	
5<10	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	3.8	11.3	.0	.0	.0		15.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	2.5	2.5	.0	.0	.0		5.0	
	TOT %	.0	.0	.0	.0	6.3	13.8	.0	.0	.0	.0	20.0	
10+	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	1.3	13.8	21.3	3.8	5.0	.0		45.0	
	11-21	.0	.0	.0	.0	5.0	15.0	.0	.0	.0		20.0	
	22+	.0	.0	.0	.0	.0	1.3	3.8	.0	.0		5.0	
	TOT %	.0	.0	.0	1.3	18.8	37.5	7.5	5.0	.0	.0	70.0	
	TOT OBS												20
	TOT PCT	.0	.0	.0	1.3	25.0	51.3	7.5	15.0	.0	.0	100.0	

JULY

PERIOD: (PRIMARY) 1910-1977
(OVER-ALL) 1890-1977

AREA 0022 ISLAS JUAN FERNANDEZ
33.2S 78.2W

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00&03	.0	.0	.0	.0	.0	.0	25.0	.0	.0	.0	25.0	75.0	4
06&09	.0	.0	20.0	20.0	20.0	.0	.0	.0	.0	.0	60.0	40.0	5
12&15	.0	.0	.0	25.0	.0	.0	.0	.0	.0	.0	25.0	75.0	4
18&21	.0	25.0	.0	.0	25.0	.0	.0	.0	.0	.0	50.0	50.0	4
TOT	0	1	1	2	2	0	1	0	0	0	7	10	17
PCT	.0	5.9	5.9	11.8	11.8	.0	5.9	.0	.0	.0	41.2	58.8	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00&03	.0	.0	.0	.0	25.0	75.0	4
06&09	.0	.0	.0	.0	50.0	50.0	6
12&15	.0	.0	.0	20.0	.0	80.0	5
18&21	.0	.0	.0	20.0	.0	80.0	5
TOT	0	0	0	2	4	14	20
PCT	.0	.0	.0	10.0	20.0	70.0	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET, NH >4/8), BY HOUR

HOUR (GMT)	<150 <500	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL OBS
00&03	.0	.0	.0	25.0	75.0	4
06&09	.0	20.0	40.0	20.0	40.0	5
12&15	.0	.0	25.0	.0	75.0	4
18&21	.0	25.0	25.0	25.0	50.0	4
TOT	0	2	4	3	10	17
PCT	.0	11.8	23.5	17.6	58.8	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
55/59	.0	.0	.0	17.6	11.8	29.4	11.8	17.6	15	88.2
50/54	.0	.0	.0	.0	5.9	5.9	.0	.0	2	11.8
TOTAL	0	0	0	3	3	6	2	3	17	100.0
PCT	.0	.0	.0	17.6	17.6	35.3	11.8	17.6		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

	N	NE	E	SE	S	SW	W	NW	VAR	CALM
	.0	.0	.0	1.5	20.6	39.7	8.8	17.6	.0	.0
	.0	.0	.0	.0	5.9	5.9	.0	.0	.0	.0
	.0	.0	.0	1.5	26.5	45.6	8.8	17.6	.0	.0

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00&03	59	58	58	56	54	54	54	56.5	4
06&09	64	63	60	55	51	49	49	55.7	49
12&15	58	57	57	56	54	54	54	56.0	5
18&21	62	61	61	56	52	51	51	56.8	43
TOT	64	62	61	56	51	49	49	56.2	101

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00&03	.0	.0	33.3	33.3	33.3	.0	78	3
06&09	.0	.0	25.0	75.0	.0	.0	72	4
12&15	.0	40.0	.0	40.0	.0	20.0	72	5
18&21	.0	20.0	20.0	.0	20.0	40.0	80	5
TOT	0	3	3	6	2	3	75	17

PERIOD: (PRIMARY) 1910-1977
(OVER-ALL) 1896-1977

AREA 0022 ISLAS JUAN FERNANDEZ
33.2S 78.2W

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	53 56	57 60	61 64	TOT	W FOG	WO FOG
6	.0	5.3	.0	1	.0	5.3
4	.0	.0	5.3	1	.0	5.3
3	5.3	5.3	.0	2	.0	10.5
2	.0	5.3	.0	1	.0	5.3
1	.0	10.5	.0	2	.0	10.5
0	15.8	21.1	.0	7	.0	36.8
-2	.0	5.3	.0	1	.0	5.3
-4	5.3	.0	.0	1	.0	5.3
-5	5.3	5.3	.0	2	.0	10.5
-7/-8	5.3	.0	.0	1	.0	5.3
TOTAL	7	11	1	19	0	19
PCT	36.8	57.9	5.3	100.0		100.0

PERIOD: (OVER-ALL) 1963-1977

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0

PERIOD: (OVER-ALL) 1963-1977

JULY

AREA 0022 ISLAS JUAN FERNANDEZ
33.2S 78.2W

TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

	S							SW						
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	10.0	.0	.0	.0	.0	10.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	10.0	.0	.0	.0	10.0
5-6	.0	.0	.0	.0	.0	.0	.0	.0	10.0	20.0	.0	.0	.0	30.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.5	.0	.0	2.5
8-9	.0	.0	.0	.0	.0	.0	.0	.0	10.0	.0	.0	.0	.0	10.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0	.0	30.0	30.0	2.5	.0	.0	62.5

	W							NW							TOTAL
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	PCT
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
3-4	.0	.0	.0	.0	.0	.0	.0	.0	10.0	.0	.0	.0	.0	10.0	
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
7	.0	.0	.0	7.5	.0	.0	7.5	.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	20.0	
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.0	.0	.0	7.5	.0	.0	7.5	.0	10.0	.0	.0	20.0	.0	30.0	100.0

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	.0	.0	.0	.0	.0	.0	.0	
1-2	.0	10.0	.0	.0	.0	.0	10.0	
3-4	.0	10.0	10.0	.0	.0	.0	20.0	
5-6	.0	10.0	20.0	.0	.0	.0	30.0	
7	.0	.0	.0	10.0	.0	.0	10.0	
8-9	.0	10.0	.0	.0	20.0	.0	30.0	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.0	40.0	30.0	10.0	20.0	.0	100.0	10

PERIOD: (OVER-ALL) 1957-1977

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	.0	.0	.0	.0	6.3	.0	.0	.0	6.3	12.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	4	13
6-7	.0	.0	.0	6.3	6.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2	6
8-9	.0	.0	6.3	.0	6.3	6.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3	6
10-11	.0	.0	.0	.0	.0	6.3	.0	.0	6.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2	12
12-13	.0	.0	.0	.0	.0	6.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	8
>13	.0	.0	.0	6.3	.0	6.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2	7
INDET	.0	.0	.0	.0	.0	6.3	.0	6.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2	10
TOTAL	0	0	1	2	3	5	0	1	2	2	0	0	0	0	0	0	0	0	0	16	9
PCT	.0	.0	6.3	12.5	18.8	31.3	.0	6.3	12.5	12.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

AUGUST

PERIOD: (PRIMARY) 1908-1977
(OVER-ALL) 1893-1977

AREA 0022 ISLAS JUAN FERNANDEZ
33.2S 78.1W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG	DUST BLWG SNOW	NO SIG WEA
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	100.0
NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0
E	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0
SE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	100.0
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	100.0
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	100.0
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	100.0
TOT OBS:	9															

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG	DUST BLWG SNOW	NO SIG WEA
00&03	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	100.0
06&09	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	100.0
12&15	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	100.0
18&21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	100.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	100.0
TOT OBS:	10															

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	WIND SPEED (KNOTS)									HOUR (GMT)						
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	.0	4.6	2.0	.0	.0	.0		6.6	9.2	.0	.0	.0	7.1	.0	.0	16.7	6.6
NE	.0	1.1	.3	.0	.0	.0		1.4	6.6	.0	.0	.0	.0	.0	.0	.0	3.7
E	.9	.0	.0	1.7	.0	.0		2.6	20.6	.0	.0	.0	2.1	.0	.0	12.5	2.2
SE	.3	2.3	4.6	2.9	1.1	.0		11.2	16.4	.0	.0	14.3	12.1	.0	.0	37.5	6.6
S	.9	12.4	7.8	.9	.0	.0		21.8	10.6	91.7	.0	28.6	18.6	62.5	.0	16.7	16.2
SW	.3	10.6	7.8	1.4	1.1	.0		21.3	12.7	8.3	.0	28.6	17.1	37.5	.0	16.7	25.0
W	.0	2.0	7.8	.9	.0	.0		10.6	14.8	.0	.0	.0	14.3	.0	.0	.0	12.5
NW	.0	6.0	12.4	2.6	1.1	1.1		23.3	16.7	.0	.0	.0	25.7	.0	.0	.0	27.2
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	1.1							1.1	.0	.0	.0	.0	2.9	.0	.0	.0	.0
TOT OBS	3	34	37	9	3	1	87		13.5	3	0	7	35	2	0	6	34
TOT PCT	3.4	39.1	42.5	10.3	3.4	1.1		100.0		100.0	.0	100.0	100.0	100.0	.0	100.0	100.0

TABLE 3A

	WIND SPEED (KNOTS)								HOUR (GMT)			
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	06 09	12 15	18 21
N	2.3	3.7	.6	.0	.0		6.6	9.2	.0	6.0	.0	8.1
NE	1.1	.3	.0	.0	.0		1.4	6.6	.0	.0	.0	3.1
E	.9	.0	.0	1.7	.0		2.6	20.6	.0	1.8	.0	3.8
SE	2.6	4.6	2.3	1.7	.0		11.2	16.4	.0	12.5	.0	11.3
S	7.2	10.9	2.9	.9	.0		21.8	10.6	91.7	20.2	62.5	16.3
SW	6.6	8.6	4.6	1.4	.0		21.3	12.7	8.3	19.0	37.5	23.8
W	.0	6.0	4.6	.0	.0		10.6	14.8	.0	11.9	.0	10.6
NW	2.3	11.8	6.9	1.1	1.1		23.3	16.7	.0	26.2	.0	23.1
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	1.1						1.1	.0	.0	2.4	.0	.0
TOT OBS	21	40	19	6	1	87		13.5	3	42	2	40
TOT PCT	24.1	46.0	21.8	6.9	1.1		100.0		100.0	100.0	100.0	100.0

AUGUST

PERIOD: (PRIMARY) 1908-1977
(OVER-ALL) 1893-1977

AREA 0022 ISLAS JUAN FERNANDEZ
33.2S 78.1W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS) 1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00&03	.0	.0	66.7	.0	33.3	.0	.0	16.0	100.0	3
06&09	2.4	2.4	35.7	50.0	2.4	4.8	2.4	13.8	100.0	42
12&15	.0	.0	100.0	.0	.0	.0	.0	5.0	100.0	2
18&21	.0	2.5	37.5	40.0	17.5	2.5	.0	13.6	100.0	40
TOT	1	2	34	37	9	3	1	13.5		87
PCT	1.1	2.3	39.1	42.5	10.3	3.4	1.1		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	.0	.0	.0	.0		.0
NE	.0	.0	.0	.0		.0
E	.0	.0	.0	.0		.0
SE	20.0	.0	20.0	.0		3.5
S	20.0	15.0	.0	.0		2.4
SW	20.0	5.0	.0	.0		2.2
W	.0	.0	.0	.0		.0
NW	.0	.0	.0	.0		.0
VAR	.0	.0	.0	.0		.0
CALM	.0	.0	.0	.0		.0
TOT OBS	3	1	1	0	5	2.8
TOT PCT	60.0	20.0	20.0	.0	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT,NH >4/8) AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

WND DIR	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	TOTAL OBS
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
E	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
SE	.0	.0	.0	.0	20.0	.0	.0	.0	.0	.0	20.0	
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	35.0	
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	25.0	
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT OBS	0	0	0	0	1	0	0	0	0	0	4	5
TOT PCT	.0	.0	.0	.0	20.0	.0	.0	.0	.0	.0	80.0	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) * OR >10	* OR >5	* OR >2	* OR >1	* OR >1/2	* OR >1/4	* OR >500YD	* OR >0
* OR >6500	.0	.0	.0	.0	.0	.0	.0	.0
* OR >5000	.0	.0	.0	.0	.0	.0	.0	.0
* OR >3500	.0	.0	.0	.0	.0	.0	.0	.0
* OR >2000	.0	.0	.0	.0	.0	.0	.0	.0
* OR >1000	16.7	16.7	16.7	16.7	16.7	16.7	16.7	16.7
* OR >600	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3
* OR >300	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3
* OR >150	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3
* OR > 0	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3
TOTAL	2	2	2	2	2	2	2	2

TOTAL NUMBER OF OBS: 6 PCT FREQ NH <5/8: 66.7

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8 OBSCD	TOTAL OBS
.0	11.1	33.3	.0	.0	11.1	.0	33.3	11.1	.0	9

PERIOD: (PRIMARY) 1908-1977
(OVER-ALL) 1893-1977

AREA 0022 ISLAS JUAN FERNANDEZ
33.2S 78.1W

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
5<10	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
10+	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	11.1	.0	.0	22.2	47.2	19.4	.0	.0	.0	.0	100.0	
	TOT %	11.1	.0	.0	22.2	47.2	19.4	.0	.0	.0	.0	100.0	
TOT OBS													9
TOT PCT		11.1	.0	.0	22.2	47.2	19.4	.0	.0	.0	.0	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
5<10	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
10+	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	11.1	.0	.0	11.1	27.8	5.6	.0	.0	.0		55.6	
	11-21	.0	.0	.0	.0	11.1	11.1	.0	.0	.0		22.2	
	22+	.0	.0	.0	11.1	8.3	2.8	.0	.0	.0		22.2	
	TOT %	11.1	.0	.0	22.2	47.2	19.4	.0	.0	.0	.0	100.0	
TOT OBS													9
TOT PCT		11.1	.0	.0	22.2	47.2	19.4	.0	.0	.0	.0	100.0	

AUGUST

PERIOD: (PRIMARY) 1908-1977
(OVER-ALL) 1893-1977

AREA 0022 ISLAS JUAN FERNANDEZ
33.2S 78.1W

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00&03	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	1
06&09	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0
12&15	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0
18&21	.0	.0	.0	20.0	20.0	.0	.0	.0	.0	.0	40.0	60.0	5
TOT	0	0	0	1	1	0	0	0	0	0	2	4	6
PCT	.0	.0	.0	16.7	16.7	.0	.0	.0	.0	.0	33.3	66.7	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00&03	.0	.0	.0	.0	.0	100.0	2
06&09	.0	.0	.0	.0	.0	100.0	1
12&15	.0	.0	.0	.0	.0	100.0	1
18&21	.0	.0	.0	.0	.0	100.0	6
TOT	0	0	0	0	0	10	10
PCT	.0	.0	.0	.0	.0	100.0	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET, NH >4/8), BY HOUR

HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL OBS
00&03	.0	.0	.0	.0	100.0	1
06&09	.0	.0	.0	.0	.0	0
12&15	.0	.0	.0	.0	.0	0
18&21	.0	.0	20.0	20.0	60.0	5
TOT	0	0	1	1	4	6
PCT	.0	.0	16.7	16.7	66.7	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
55/59	.0	.0	.0	25.0	75.0	.0	.0	.0	4	100.0
TOTAL	0	0	0	1	3	0	0	0	4	100.0
PCT	.0	.0	.0	25.0	75.0	.0	.0	.0		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

	N	NE	E	SE	S	SW	W	NW	VAR	CALM
	.0	.0	.0	25.0	43.8	31.3	.0	.0	.0	.0
	.0	.0	.0	25.0	43.8	31.3	.0	.0	.0	.0

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00&03	55	55	55	55	55	55	55	55.0	3
06&09	59	58	58	54	50	49	49	54.3	41
12&15	53	53	53	53	53	53	53	53.0	2
18&21	68	67	62	56	52	51	51	56.4	39
TOT	68	67	61	55	52	49	49	55.3	85

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00&03	.0	.0	100.0	.0	.0	.0	68	1
06&09								
12&15								
18&21	.0	25.0	50.0	25.0	.0	.0	66	4
TOT	0	1	3	1	0	0	66	5

PERIOD: (PRIMARY) 1908-1977
(OVER-ALL) 1893-1977

AREA 0022 ISLAS JUAN FERNANDEZ
33.2S 78.1W

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	53 56	57 60	TOT	W FOG	WO FOG
0	11.1	.0	1	.0	11.1
-1	22.2	11.1	3	.0	33.3
-2	22.2	.0	2	.0	22.2
-3	11.1	.0	1	.0	11.1
-5	11.1	11.1	2	.0	22.2
TOTAL	7			0	9
		2	9		
PCT	77.8	22.2	100.0		100.0

PERIOD: (OVER-ALL) 1963-1977

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	25.0	.0	.0	.0	.0	25.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	25.0	.0	.0	25.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	25.0	.0	25.0	.0	.0	50.0

PERIOD: (OVER-ALL) 1963-1977

AUGUST

AREA 0022 ISLAS JUAN FERNANDEZ
33.2S 78.1W

TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

S

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	18.8	.0	.0	18.8
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	18.8	.0	.0	18.8

SW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	25.0	.0	.0	.0	25.0
7	.0	.0	.0	6.3	.0	.0	6.3
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	25.0	6.3	.0	.0	31.3

W

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0

NW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	.0	.0	.0	.0	.0	.0	.0	
1-2	.0	.0	.0	.0	.0	.0	.0	
3-4	.0	.0	.0	.0	.0	.0	.0	
5-6	.0	.0	.0	.0	.0	.0	.0	
7	.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.0	.0	.0	.0	.0	.0	.0	100.0

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	.0	.0	.0	.0	.0	.0	.0	
1-2	.0	.0	.0	.0	.0	.0	.0	
3-4	.0	25.0	.0	.0	.0	.0	25.0	
5-6	.0	.0	25.0	.0	.0	.0	25.0	
7	.0	.0	.0	25.0	.0	.0	25.0	
8-9	.0	.0	.0	25.0	.0	.0	25.0	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.0	25.0	25.0	50.0	.0	.0	100.0	4

PERIOD: (OVER-ALL) 1959-1977

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	.0	16.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	2
6-7	.0	.0	.0	.0	.0	.0	16.7	.0	16.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2	12
8-9	.0	.0	.0	16.7	.0	16.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2	7
10-11	.0	.0	.0	.0	.0	16.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	8
12-13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
>13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
INDET	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
TOTAL	0	1	0	1	0	2	1	0	1	0	0	0	0	0	0	0	0	0	0	6	8
PCT	.0	16.7	.0	16.7	.0	33.3	16.7	.0	16.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

SEPTEMBER

PERIOD: (PRIMARY) 1909-1975
(OVER-ALL) 1892-1975

AREA 0022 ISLAS JUAN FERNANDEZ
33.1S 78.2W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	100.0
NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	100.0
E	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	100.0
SE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	100.0
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	100.0
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	100.0
W	.0	.0	.0	.0	.0	.0	.0	.0	30.8	.0	.0	.0	.0		.0	69.2
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	100.0
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0	.0	7.7	.0	.0	.0	.0		.0	92.3
TOT OBS:	13															

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
00&03	.0	.0	.0	.0	.0	.0	.0	.0	33.3	.0	.0	.0	.0		.0	66.7
06&09	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	100.0
12&15	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	100.0
18&21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	100.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0	.0	7.7	.0	.0	.0	.0		.0	92.3
TOT OBS:	13															

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	WIND SPEED (KNOTS)									HOUR (GMT)							
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	.0	.0	2.1	.8	.0	.0		2.9	17.0	.0	.0	7.5	2.5	.0	.0	.0	2.9
NE	.0	1.0	1.0	.0	.0	.0		2.1	10.5	.0	.0	10.0	2.5	.0	.0	.0	.0
E	.0	1.0	.8	1.6	.0	.0		3.4	17.0	.0	.0	.0	3.8	25.0	.0	.0	2.2
SE	.0	8.3	11.2	5.7	2.1	.0		27.3	16.3	50.0	.0	10.0	26.3	50.0	.0	25.0	28.7
S	1.0	2.6	5.7	2.1	3.6	.0		15.1	20.3	.0	.0	10.0	11.3	.0	.0	50.0	20.5
SW	1.0	9.4	5.2	3.4	.5	.0		19.5	13.8	.0	.0	22.5	21.3	6.3	.0	6.3	22.1
W	1.8	5.5	6.0	.8	.0	.0		14.1	11.4	25.0	.0	17.5	15.6	18.8	.0	18.8	8.8
NW	1.3	7.6	5.5	.3	.0	.0		14.6	9.3	25.0	.0	22.5	16.9	.0	.0	.0	11.8
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	1.0							1.0	.0	.0	.0	.0	.0	.0	.0	.0	2.9
TOT OBS	6	34	36	14	6	0	96		14.4	4	0	10	40	4	0	4	34
TOT PCT	6.3	35.4	37.5	14.6	6.3	.0		100.0		100.0	.0	100.0	100.0	100.0	.0	100.0	100.0

TABLE 3A

	WIND SPEED (KNOTS)								HOUR (GMT)			
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	06 09	12 15	18 21
N	.0	2.1	.0	.8	.0		2.9	17.0	.0	3.5	.0	2.6
NE	.0	2.1	.0	.0	.0		2.1	10.5	.0	4.0	.0	.0
E	1.0	.8	.0	.8	.0		3.4	17.0	.0	3.0	25.0	2.0
SE	3.1	13.3	7.6	3.4	.0		27.3	16.3	50.0	23.0	50.0	28.3
S	1.8	6.5	2.1	2.9	1.8		15.1	20.3	.0	11.0	.0	23.7
SW	4.7	6.8	6.3	1.6	.3		19.5	13.8	.0	21.5	6.3	20.4
W	4.4	6.0	2.9	.8	.0		14.1	11.4	25.0	16.0	18.8	9.9
NW	5.7	7.3	1.3	.3	.0		14.6	9.3	25.0	18.0	.0	10.5
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	1.0						1.0	.0	.0	.0	.0	2.6
TOT OBS	21	43	20	10	2	96		14.4	4	50	4	38
TOT PCT	21.9	44.8	20.8	10.4	2.1		100.0		100.0	100.0	100.0	100.0

SEPTEMBER

PERIOD: (PRIMARY) 1909-1975
(OVER-ALL) 1892-1975

AREA 0022 ISLAS JUAN FERNANDEZ
33.1S 78.2W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	1-3	4-10	WIND SPEED (KNOTS) 11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00&03	.0	.0	25.0	75.0	.0	.0	.0	11.7	100.0	4
06&09	.0	4.0	32.0	42.0	14.0	8.0	.0	15.6	100.0	50
12&15	.0	.0	25.0	.0	75.0	.0	.0	20.2	100.0	4
18&21	2.6	7.9	42.1	31.6	10.5	5.3	.0	12.6	100.0	38
TOT	1	5	34	36	14	6	0	14.4		96
PCT	1.0	5.2	35.4	37.5	14.6	6.3	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	.0	.0	.0	5.8		8.0
NE	.0	7.7	.0	.0		3.0
E	.0	.0	.0	7.7		8.0
SE	23.1	.0	7.7	.0		2.2
S	7.7	.0	.0	.0		.0
SW	1.9	.0	1.9	1.9		4.3
W	5.8	.0	13.5	5.8		4.5
NW	.0	.0	7.7	1.9		6.4
VAR	.0	.0	.0	.0		.0
CALM	.0	.0	.0	.0		.0
TOT OBS	5	1	4	3	13	4.0
TOT PCT	38.5	7.7	30.8	23.1	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT, NH >4/8) AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

WND DIR	000-149	150-299	300-599	600-999	1000-1999	2000-3499	3500-4999	5000-6499	6500-7999	8000+	NH <5/8 ANY HGT	TOTAL OBS
N	.0	.0	.0	.0	5.8	.0	.0	.0	.0	.0	.0	
NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.7	
E	.0	.0	.0	.0	7.7	.0	.0	.0	.0	.0	.0	
SE	.0	.0	.0	7.7	.0	.0	.0	.0	.0	.0	23.1	
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.7	
SW	.0	.0	.0	.0	.0	.0	1.9	.0	.0	.0	3.8	
W	.0	.0	.0	.0	.0	7.7	5.8	.0	.0	.0	11.5	
NW	.0	.0	.0	.0	1.9	7.7	.0	.0	.0	.0	.0	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT OBS	0	0	0	1	2	2	1	0	0	0	7	13
TOT PCT	.0	.0	.0	7.7	15.4	15.4	7.7	.0	.0	.0	53.8	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) * OR >10	* OR >5	* OR >2	* OR >1	* OR >1/2	* OR >1/4	* OR >50YD	* OR >0
* OR >6500	.0	.0	.0	.0	.0	.0	.0	.0
* OR >5000	.0	.0	.0	.0	.0	.0	.0	.0
* OR >3500	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
* OR >2000	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1
* OR >1000	30.8	30.8	38.5	38.5	38.5	38.5	38.5	38.5
* OR >600	38.5	38.5	46.2	46.2	46.2	46.2	46.2	46.2
* OR >300	38.5	38.5	46.2	46.2	46.2	46.2	46.2	46.2
* OR >150	38.5	38.5	46.2	46.2	46.2	46.2	45.2	46.2
* OR > 0	38.5	38.5	46.2	46.2	46.2	46.2	46.2	46.2
TOTAL	5	5	6	6	6	6	6	6

TOTAL NUMBER OF OBS: 13 PCT FREQ NH <5/8: 53.8

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	# OBSCD	TOTAL OBS
30.8	.0	7.7	15.4	.0	15.4	7.7	7.7	15.4	.0	13

PERIOD: (PRIMARY) 1909-1975
(OVER-ALL) 1892-1975

AREA 0022 ISLAS JUAN FERNANDEZ
33.1S 78.2W

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	7.7	.0	.0	.0	.0	.0	.0	.0	7.7	
	TOT %	.0	.0	7.7	.0	.0	.0	.0	.0	.0	.0	7.7	
5<10	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	1.9	5.8	.0	.0	.0	7.7	
	TOT %	.0	.0	.0	.0	.0	1.9	5.8	.0	.0	.0	7.7	
10+	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	5.8	7.7	.0	30.8	7.7	3.8	19.2	9.6	.0	.0	84.6	
	TOT %	5.8	7.7	.0	30.8	7.7	3.8	19.2	9.6	.0	.0	84.6	
	TOT OBS												13
	TOT PCT	5.8	7.7	7.7	30.8	7.7	5.8	25.0	9.6	.0	.0	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	7.7	.0	.0	.0	.0	.0	.0		7.7	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	7.7	.0	.0	.0	.0	.0	.0	.0	7.7	
5<10	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	1.9	5.8	.0	.0		7.7	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	1.9	5.8	.0	.0	.0	7.7	
10+	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	7.7	.0	15.4	.0	1.9	5.8	.0	.0		30.8	
	11-21	.0	.0	.0	.0	7.7	.0	7.7	7.7	.0		23.1	
	22+	5.8	.0	.0	15.4	.0	1.9	5.8	1.9	.0		30.8	
	TOT %	5.8	7.7	.0	30.8	7.7	3.8	19.2	9.6	.0	.0	84.6	
	TOT OBS												13
	TOT PCT	5.8	7.7	7.7	30.8	7.7	5.8	25.0	9.6	.0	.0	100.0	

SEPTEMBER

PERIOD: (PRIMARY) 1909-1975
(OVER-ALL) 1892-1975

AREA 0022 ISLAS JUAN FERNANDEZ
33.1S 78.2W

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET,NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00&03	.0	.0	.0	33.3	.0	66.7	.0	.0	.0	.0	100.0	.0	3
06&09	.0	.0	.0	.0	33.3	.0	.0	.0	.0	.0	33.3	66.7	3
12&15	.0	.0	.0	.0	25.0	.0	.0	.0	.0	.0	25.0	75.0	4
18&21	.0	.0	.0	.0	.0	.0	33.3	.0	.0	.0	33.3	66.7	3
TOT	0	0	0	1	2	2	1	0	0	0	6	7	13
PCT	.0	.0	.0	7.7	15.4	15.4	7.7	.0	.0	.0	46.2	53.8	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00&03	.0	.0	.0	.0	.0	100.0	3
06&09	.0	.0	.0	.0	33.3	66.7	3
12&15	.0	.0	.0	25.0	.0	75.0	4
18&21	.0	.0	.0	.0	.0	100.0	3
TOT	0	0	0	1	1	11	13
PCT	.0	.0	.0	7.7	7.7	84.6	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET,NH >4/8),BY HOUR

HOUR (GMT)	<150 <500YD	<600 <1	<1000 <3	1000+ AND5+	NH <5/8 AND 5+	TOTAL OBS
00&03	.0	.0	33.3	66.7	.0	3
06&09	.0	.0	.0	33.3	66.7	3
12&15	.0	.0	25.0	.0	75.0	4
18&21	.0	.0	.0	33.3	66.7	3
TOT	0	0	2	4	7	13
PCT	.0	.0	15.4	30.8	53.8	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
60/64	.0	.0	.0	.0	.0	8.3	.0	.0	1	8.3
55/59	.0	.0	.0	8.3	.0	25.0	8.3	8.3	6	50.0
50/54	.0	.0	.0	.0	.0	33.3	8.3	.0	5	41.7
TOTAL	0	0	0	1	0	8	2	1	12	100.0
PCT	.0	.0	.0	8.3	.0	66.7	16.7	8.3		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
.0	.0	.0	.0	.0	2.1	6.3	.0	.0	.0
6.3	.0	8.3	16.7	.0	2.1	14.6	2.1	.0	.0
.0	.0	.0	16.7	8.3	2.1	6.3	8.3	.0	.0
6.3	.0	8.3	33.3	8.3	6.3	27.1	10.4	.0	.0

TABLE 15

MEANS,EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00&03	57	56	56	54	52	52	52	54.5	4
06&09	70	69	59	54	50	48	48	54.7	49
12&15	61	60	60	54	54	54	54	56.5	4
18&21	68	67	65	57	51	50	50	56.9	36
TOT	70	68	61	55	50	48	48	55.6	93

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00&03	.0	.0	.0	100.0	.0	.0	72	3
06&09	.0	.0	.0	50.0	50.0	.0	81	2
12&15	.0	.0	.0	75.0	.0	25.0	83	4
18&21	.0	33.3	.0	33.3	33.3	.0	68	3
TOT	0	1	0	8	2	1	76	12

SEPTEMBER

PERIOD: (PRIMARY) 1909-1975
(OVER-ALL) 1892-1975

AREA 0022 ISLAS JUAN FERNANDEZ
33.1S 78.2W

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	49 >2	53 56	57 60	TOT	W FOG	WO FOG
1	.0	.0	18.2	2	.0	18.2
0	.0	9.1	.0	1	.0	9.1
-1	.0	.0	9.1	1	.0	9.1
-2	.0	.0	9.1	1	.0	9.1
-3	.0	18.2	.0	2	.0	18.2
-4	9.1	18.2	.0	3	.0	27.3
-5	9.1	.0	.0	1	.0	9.1
TOTAL	2	5	4	11	0	11
PCT	18.2	45.5	36.4	100.0		100.0

PERIOD: (OVER-ALL) 1963-1975

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	6.8	.0	.0	6.8
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	6.8	.0	.0	6.8

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	9.1	.0	.0	.0	.0	9.1
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	9.1	.0	.0	.0	.0	9.1

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	9.1	.0	.0	.0	.0	9.1
3-4	.0	9.1	.0	.0	.0	.0	9.1
5-6	.0	.0	.0	9.1	.0	.0	9.1
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	9.1	.0	.0	9.1
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	18.2	.0	18.2	.0	.0	36.4

PERIOD: (OVER-ALL) 1963-1975

SEPTEMBER

AREA 0022 ISLAS JUAN FERNANDEZ
33.1S 78.2W

TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

S

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	9.1	.0	.0	.0	9.1
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	9.1	.0	.0	.0	9.1

SW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	2.3	.0	.0	.0	.0	2.3
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	2.3	.0	.0	2.3
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	2.3	.0	2.3	.0	.0	4.5

W

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	5.8	.0	.0	.0	.0	5.8
3-4	.0	.0	9.1	.0	.0	.0	9.1
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	5.8	.0	.0	5.8
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	6.8	9.1	6.8	.0	.0	22.7

NW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	.0	.0	.0	.0	.0	.0	.0	
1-2	.0	.0	.0	.0	.0	.0	.0	
3-4	.0	.0	.0	2.3	.0	.0	2.3	
5-6	.0	.0	9.1	.0	.0	.0	9.1	
7	.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.0	.0	9.1	2.3	.0	.0	11.4	100.0

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	.0	.0	.0	.0	.0	.0	.0	
1-2	.0	27.3	.0	.0	.0	.0	27.3	
3-4	.0	9.1	18.2	9.1	.0	.0	36.4	
5-6	.0	.0	9.1	9.1	.0	.0	18.2	
7	.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	18.2	.0	.0	18.2	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.0	36.4	27.3	36.4	.0	.0	100.0	11

PERIOD: (OVER-ALL) 1963-1975

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	.0	7.7	.0	7.7	.0	.0	7.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3	6
6-7	.0	7.7	7.7	7.7	.0	.0	.0	.0	7.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4	6
8-9	.0	.0	.0	7.7	7.7	7.7	15.4	.0	7.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6	9
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
12-13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
>13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
INDET	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
TOTAL	0	2	1	3	1	1	3	0	2	0	0	0	0	0	0	0	0	0	0	13	7
PCT	.0	15.4	7.7	23.1	7.7	7.7	23.1	.0	15.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

OCTOBER

PERIOD: (PRIMARY) 1909-1974
(OVER-ALL) 1890-1974

AREA 0022 ISLAS JUAN FERNANDEZ
33.1S 78.4W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		100.0
NE	.0	.0	100.0	.0	.0	.0	.0	100.0	.0	.0	.0	.0	.0	.0		.0
E	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		100.0
SE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		100.0
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		100.0
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		100.0
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		100.0
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		100.0
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0
TOT PCT	.0	.0	3.4	.0	.0	.0	.0	3.4	.0	.0	.0	.0	.0	.0		96.6
TOT OBS:	29															

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
00603	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	100.0
06609	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	100.0
12615	.0	.0	10.0	.0	.0	.0	.0	10.0	.0	.0	.0	.0	.0		.0	90.0
18621	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	100.0
TOT PCT	.0	.0	3.3	.0	.0	.0	.0	3.3	.0	.0	.0	.0	.0		.0	96.7
TOT OBS:	30															

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	WIND SPEED (KNOTS)									HOUR (GMT)						
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	.0	.7	2.5	.0	.0	.0		3.2	15.6	.0	.0	6.8	.0	9.1	.0	.0	2.9
NE	.0	2.1	1.4	.0	.0	.0		3.6	10.6	.0	.0	.0	4.8	9.1	.0	.0	2.9
E	.0	.0	2.5	1.1	.0	.0		3.6	19.8	20.0	.0	.0	.0	.0	.0	.0	8.8
SE	.0	11.4	15.4	2.1	.0	.0		28.9	13.0	.0	.0	40.9	33.3	38.6	.0	20.0	20.6
S	.0	7.9	17.9	1.1	.0	.0		26.8	12.5	80.0	.0	13.6	21.4	25.0	.0	80.0	11.8
SW	.0	3.6	.0	.0	.0	.0		3.6	7.5	.0	.0	13.6	4.8	.0	.0	.0	.0
W	1.4	4.3	2.1	.0	.0	.0		7.9	8.5	.0	.0	13.6	6.0	.0	.0	.0	16.2
NW	1.4	11.4	5.4	2.9	.0	.0		21.1	10.2	.0	.0	11.4	29.8	18.2	.0	.0	30.9
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	1.4							1.4	.0	.0	.0	.0	.0	.0	.0	.0	5.9
TOT OBS	3	29	33	5	0	0	70		11.8	5	0	11	21	11	0	5	17
TOT PCT	4.3	41.4	47.1	7.1	.0	.0		100.0		100.0	.0	100.0	100.0	100.0	.0	100.0	100.0

TABLE 3A

	WIND SPEED (KNOTS)								HOUR (GMT)			
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	06 09	12 15	18 21
N	.0	1.8	1.4	.0	.0		3.2	15.6	.0	2.3	9.1	2.3
NE	1.4	.7	1.4	.0	.0		3.6	10.6	.0	3.1	9.1	2.3
E	.0	.0	3.6	.0	.0		3.6	19.8	20.0	.0	.0	6.8
SE	2.9	18.9	7.1	.0	.0		28.9	13.0	.0	35.9	38.6	20.5
S	6.4	13.9	6.4	.0	.0		26.8	12.5	80.0	18.8	25.0	27.3
SW	1.4	2.1	.0	.0	.0		3.6	7.5	.0	7.8	.0	.0
W	2.1	5.7	.0	.0	.0		7.9	8.5	.0	8.6	.0	12.5
NW	10.0	6.8	4.3	.0	.0		21.1	10.2	.0	23.4	18.2	23.9
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	1.4						1.4	.0	.0	.0	.0	4.5
TOT OBS	18	35	17	0	0	70		11.8	5	32	11	22
TOT PCT	25.7	50.0	24.3	.0	.0		100.0		100.0	100.0	100.0	100.0

OCTOBER

PERIOD: (PRIMARY) 1909-1974
(OVER-ALL) 1890-1974

AREA 0022 ISLAS JUAN FERNANDEZ
33.1S 78.4W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS) 1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00&03	.0	.0	.0	100.0	.0	.0	.0	16.0	100.0	5
06&09	.0	.0	50.0	40.6	9.4	.0	.0	11.0	100.0	32
12&15	.0	9.1	27.3	63.6	.0	.0	.0	12.1	100.0	11
18&21	4.5	4.5	45.5	36.4	9.1	.0	.0	11.7	100.0	22
TOT	1	2	29	43	5	0	0	11.8		70
PCT	1.4	2.9	41.4	47.1	7.1	.0	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	2.7	.0	.0	3.6		5.4
NE	.0	.0	.0	3.6		8.0
E	.0	.0	3.6	.0		7.0
SE	3.6	7.1	4.5	12.5		5.9
S	3.6	.0	27.7	12.5		6.0
SW	.0	.9	.9	.0		4.5
W	.0	2.7	2.7	.0		4.5
NW	4.5	.0	3.6	.0		3.3
VAR	.0	.0	.0	.0		.0
CALM	.0	.0	.0	.0		.0
TOT OBS	4	3	12	9	28	5.7
TOT PCT	14.3	10.7	42.9	32.1	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT,NH >4/8) AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

WND DIR	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	TOTAL OBS
N	.0	.0	.0	.0	.0	2.6	.0	.0	.0	.0	2.7	
NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.6	
E	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.6	
SE	.0	.0	.0	4.5	3.6	.9	8.0	.0	.0	.0	10.7	
S	.0	.0	.0	6.3	14.3	9.8	6.3	.0	.0	.0	7.1	
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.8	
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.4	
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	8.0	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT OBS	0	0	0	3	5	4	4	0	0	0	12	28
TOT PCT	.0	.0	.0	10.7	17.9	14.3	14.3	.0	.0	.0	42.9	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) * OR >10	* OR >5	* OR >2	* OR >1	* OR >1/2	* OR >1/4	* OR >50YD	* OR >0
* OR >6500	.0	.0	.0	.0	.0	.0	.0	.0
* OR >5000	.0	.0	.0	.0	.0	.0	.0	.0
* OR >3500	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3
* OR >2000	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6
* OR >1000	42.9	46.4	46.4	46.4	46.4	46.4	46.4	46.4
* OR >600	53.6	57.1	57.1	57.1	57.1	57.1	57.1	57.1
* OR >300	53.6	57.1	57.1	57.1	57.1	57.1	57.1	57.1
* OR >150	53.6	57.1	57.1	57.1	57.1	57.1	57.1	57.1
* OR > 0	53.6	57.1	57.1	57.1	57.1	57.1	57.1	57.1
TOTAL	15	16	16	16	16	16	16	16

TOTAL NUMBER OF OBS: 28 PCT FREQ NH <5/8: 42.9

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8 OBSCD	TOTAL OBS
3.6	3.6	10.7	7.1	17.9	17.9	3.6	17.9	17.9	.0	28

OCTOBER

PERIOD: (PRIMARY) 1909-1974
(OVER-ALL) 1890-1974

AREA 0022 ISLAS JUAN FERNANDEZ
33.1S 78.4W

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
5<10	PCP	.0	3.4	.0	.0	.0	.0	.0	.0	.0	.0	3.4	
	NO PCP	.0	.0	3.4	10.3	.0	.0	.0	.0	.0	.0	13.8	
	TOT %	.0	3.4	3.4	10.3	.0	.0	.0	.0	.0	.0	17.2	
10+	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	6.0	.0	.0	19.8	42.2	1.7	5.2	7.8	.0	.0	82.8	
	TOT %	6.0	.0	.0	19.8	42.2	1.7	5.2	7.8	.0	.0	82.8	
	TOT OBS												29
	TOT PCT	6.0	3.4	3.4	30.2	42.2	1.7	5.2	7.8	.0	.0	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
5<10	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	3.4	3.4	10.3	.0	.0	.0	.0	.0		17.2	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	3.4	3.4	10.3	.0	.0	.0	.0	.0	.0	17.2	
10+	0-3	.0	.0	.0	.0	.0	.0	.0	3.4	.0	.0	3.4	
	4-10	.0	.0	.0	6.9	6.9	1.7	5.2	.0	.0		20.7	
	11-21	6.0	.0	.0	12.1	32.8	.0	.0	4.3	.0		55.2	
	22+	.0	.0	.0	.9	2.6	.0	.0	.0	.0		3.4	
	TOT %	6.0	.0	.0	19.8	42.2	1.7	5.2	7.8	.0	.0	82.8	
	TOT OBS												29
	TOT PCT	6.0	3.4	3.4	30.2	42.2	1.7	5.2	7.8	.0	.0	100.0	

OCTOBER

PERIOD: (PRIMARY) 1969-1974
(OVER-ALL) 1890-1974

AREA 0022 ISLAS JUAN FERNANDEZ
33.1S 78.4W

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00&03	.0	.0	.0	.0	40.0	20.0	.0	.0	.0	.0	60.0	40.0	5
06&09	.0	.0	.0	.0	12.5	12.5	12.5	.0	.0	.0	37.5	62.5	8
12&15	.0	.0	.0	30.0	10.0	10.0	20.0	.0	.0	.0	70.0	30.0	10
18&21	.0	.0	.0	.0	20.0	20.0	20.0	.0	.0	.0	60.0	40.0	5
TOT	0	0	0	3	5	4	4	0	0	0	16	12	28
PCT	.0	.0	.0	10.7	17.9	14.3	14.3	.0	.0	.0	57.1	42.9	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00&03	.0	.0	.0	.0	20.0	80.0	5
06&09	.0	.0	.0	.0	33.3	66.7	9
12&15	.0	.0	.0	.0	10.0	90.0	10
18&21	.0	.0	.0	.0	.0	100.0	6
TOT	0	0	0	0	5	25	30
PCT	.0	.0	.0	.0	16.7	83.3	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET, NH >4/8), BY HOUR

HOUR (GMT)	<150' <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL OBS
00&03	.0	.0	.0	60.0	40.0	5
06&09	.0	.0	.0	37.5	62.5	8
12&15	.0	.0	30.0	40.0	30.0	10
18&21	.0	.0	.0	60.0	40.0	5
TOT	0	0	3	13	12	28
PCT	.0	.0	10.7	46.4	42.9	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
65/69	.0	.0	.0	.0	.0	.0	3.7	.0	1	3.7
60/64	.0	.0	3.7	.0	3.7	.0	3.7	.0	3	11.1
55/59	.0	.0	.0	3.7	7.4	25.9	3.7	.0	11	40.7
50/54	.0	.0	.0	3.7	25.9	11.1	3.7	.0	12	44.4
TOTAL	0	0	1	2	10	10	4	0	27	100.0
PCT	.0	.0	3.7	7.4	37.0	37.0	14.8	.0		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
.0	.0	3.7	.0	.0	.0	.0	.0	.0	.0
3.7	.0	.0	.0	7.4	.0	.0	.0	.0	.0
2.8	.0	.0	11.1	22.2	.0	.0	4.6	.0	.0
.0	.0	.0	25.0	15.7	.9	2.8	.0	.0	.0
6.5	.0	3.7	36.1	45.4	.9	2.8	4.6	.0	.0

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00&03	66	65	65	56	53	53	53	57.4	5
06&09	62	61	61	56	51	50	50	56.2	32
12&15	60	59	59	56	52	52	52	55.9	10
18&21	65	64	64	59	52	52	52	58.6	21
TOT	66	65	63	57	52	50	50	57.0	68

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00&03	.0	.0	40.0	40.0	20.0	.0	72	5
06&09	.0	12.5	25.0	37.5	25.0	.0	72	8
12&15	.0	.0	44.4	44.4	11.1	.0	73	9
18&21	.0	33.3	33.3	16.7	16.7	.0	65	6
TOT	0	3	10	10	5	0	71	28

OCTOBER

PERIOD: (PRIMARY) 1909-1974
(OVER-ALL) 1890-1974

AREA 0022 ISLAS JUAN FERNANDEZ
33.1S 78.4W

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	49 52	53 56	57 60	61 64	65 68	TOT	W FOG	WO FOG
7/8	.0	.0	3.6	.0	.0	1	.0	3.6
5	.0	.0	3.6	.0	.0	1	.0	3.6
3	.0	.0	3.6	.0	.0	1	.0	3.6
1	.0	.0	7.1	3.6	3.6	4	.0	14.3
0	.0	3.6	7.1	.0	.0	3	.0	10.7
-2	3.6	7.1	3.6	.0	.0	4	.0	14.3
-3	3.6	3.6	3.6	.0	.0	3	.0	10.7
-4	3.6	3.6	.0	.0	.0	2	.0	7.1
-5	.0	10.7	.0	.0	.0	3	.0	10.7
-6	.0	7.1	.0	.0	.0	2	.0	7.1
-7/-8	7.1	7.1	.0	.0	.0	4	.0	14.3
TOTAL	5	12	9	1	1	28	0	28
PCT	17.9	42.9	32.1	3.6	3.6	100.0		100.0

PERIOD: (OVER-ALL) 1963-1974

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	5.6	.0	.0	.0	5.6
5-6	.0	.0	4.2	.0	.0	.0	4.2
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	9.7	.0	.0	.0	9.7

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	5.6	.0	.0	.0	5.6

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	5.6	.0	.0	.0	5.6
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	5.6	.0	.0	.0	5.6

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	5.6	18.1	.0	.0	.0	23.6
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	1.4	.0	.0	1.4
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	5.6	18.1	1.4	.0	.0	25.0

PERIOD: (OVER-ALL) 1963-1974

OCTOBER

TABLE 1d (CONT)

AREA 0022 ISLAS JUAN FERNANDEZ 33.1S 78.4W

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

	S							SW						
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	5.6	.0	.0	.0	5.6	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	26.4	.0	.0	.0	26.4	.0	1.4	.0	.0	.0	.0	1.4
5-6	.0	.0	5.6	.0	.0	.0	5.6	.0	1.4	.0	.0	.0	.0	1.4
7	.0	.0	.0	4.2	.0	.0	4.2	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	37.5	4.2	.0	.0	41.7	.0	2.8	.0	.0	.0	.0	2.8

	W							NW							TOTAL
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	PCT
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.6	.0	.0	.0	5.6	
3-4	.0	4.2	.0	.0	.0	.0	4.2	.0	.0	.0	.0	.0	.0	.0	
5-6	.0	4.2	.0	.0	.0	.0	4.2	.0	.0	1.4	.0	.0	.0	1.4	
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.0	8.3	.0	.0	.0	.0	8.3	.0	.0	6.9	.0	.0	.0	6.9	100.0

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	.0	.0	.0	.0	.0	.0	.0	
1-2	.0	.0	11.1	.0	.0	.0	11.1	
3-4	.0	11.1	50.0	.0	.0	.0	61.1	
5-6	.0	5.6	11.1	.0	.0	.0	16.7	
7	.0	.0	5.6	5.6	.0	.0	11.1	
8-9	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.0	16.7	77.8	5.6	.0	.0	100.0	18

PERIOD: (OVER-ALL) 1951-1974

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	.0	11.5	7.7	3.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6	3
6-7	.0	.0	.0	11.5	7.7	3.8	3.8	3.8	19.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	13	10
8-9	.0	.0	.0	.0	3.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	7
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
12-13	.0	.0	.0	.0	.0	.0	3.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	10
>13	.0	.0	.0	.0	.0	.0	7.7	.0	.0	7.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	4	13
INDET	.0	.0	3.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	3
TOTAL	0	3	3	4	3	1	4	1	5	2	0	0	0	0	0	0	0	0	0	26	9
PCT	.0	11.5	11.5	15.4	11.5	3.8	15.4	3.8	19.2	7.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

NOVEMBER

PERIOD: (PRIMARY) 1909-1977
(OVER-ALL) 1893-1977

AREA 0022 ISLAS JUAN FERNANDEZ
33.2S 78.5W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG	DUST BLWG SNOW	NO SIG WEA
N	.0	.0	42.9	.0	.0	.0	.0	42.9	57.1	.0	.0	.0	.0		.0	.0
NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0
E	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0
SE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	100.0
S	.0	.0	.0	.0	.0	.0	.0	.0	13.8	.0	.0	.0	.0		.0	86.2
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	100.0
W	100.0	.0	.0	.0	.0	.0	.0	100.0	.0	.0	.0	.0	.0		.0	.0
NW	13.2	.0	13.2	.0	.0	.0	.0	26.3	.0	.0	.0	.0	.0		.0	73.7
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0
TOT PCT	8.7	.0	8.7	.0	.0	.0	.0	17.4	8.7	.0	.0	.0	.0		.0	73.9
TOT OBS:	23															

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG	DUST BLWG SNOW	NO SIG WEA
00603	25.0	.0	.0	.0	.0	.0	.0	25.0	.0	.0	.0	.0	.0		.0	75.0
06609	.0	.0	14.3	.0	.0	.0	.0	14.3	14.3	.0	.0	.0	.0		.0	71.4
12615	16.7	.0	.0	.0	.0	.0	.0	16.7	16.7	.0	.0	.0	.0		.0	66.7
18621	.0	.0	14.3	.0	.0	.0	.0	14.3	.0	.0	.0	.0	.0		.0	85.7
TOT PCT	8.3	.0	8.3	.0	.0	.0	.0	16.7	8.3	.0	.0	.0	.0		.0	75.0
TOT OBS:	24															

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	WIND SPEED (KNOTS)									HOUR (GMT)							
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	1.6	1.6	1.2	1.6	.0	.0		5.9	11.2	.0	.0	.0	5.9	.0	.0	17.5	7.1
NE	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
E	.0	.0	2.3	.0	.0	.0		2.3	18.0	.0	.0	.0	.0	.0	.0	7.5	5.4
SE	1.6	2.3	8.6	6.3	.0	.0		18.8	15.4	.0	.0	2.8	35.3	.0	.0	15.0	30.4
S	.0	18.8	16.4	1.6	.0	.0		36.7	11.3	40.0	100.0	36.1	33.8	33.3	.0	37.5	41.1
SW	1.6	10.2	5.5	.0	.0	.0		17.2	9.5	20.0	.0	38.9	25.0	16.7	.0	.0	8.9
W	.0	1.2	1.2	.0	.0	.0		2.3	12.5	15.0	.0	.0	.0	.0	.0	.0	5.4
NW	.0	2.0	7.0	6.3	.0	.0		15.2	19.9	25.0	.0	22.2	.0	50.0	50.0	22.5	1.8
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	1.6							1.6	.0	.0	.0	.0	.0	.0	50.0	.0	.0
TOT OBS	4	23	27	10	0	0	64		13.1	5	1	9	17	6	2	10	14
TOT PCT	6.3	35.9	42.2	15.6	.0	.0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

	WIND SPEED (KNOTS)								HOUR (GMT)			
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	06 09	12 15	18 21
N	3.1	1.2	1.6	.0	.0		5.9	11.2	.0	3.8	.0	11.5
NE	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
E	.0	.0	2.3	.0	.0		2.3	18.0	.0	.0	.0	6.3
SE	3.5	6.6	8.6	.0	.0		18.8	15.4	.0	24.0	.0	24.0
S	7.4	23.4	5.9	.0	.0		36.7	11.3	50.0	34.6	25.0	39.6
SW	6.3	7.4	3.5	.0	.0		17.2	9.5	16.7	29.8	12.5	5.2
W	.0	2.3	.0	.0	.0		2.3	12.5	12.5	.0	.0	3.1
NW	1.6	2.7	6.3	4.7	.0		15.2	19.9	20.8	7.7	50.0	10.4
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	1.6						1.6	.0	.0	.0	12.5	.0
TOT OBS	15	28	18	3	0	64		13.1	6	26	8	24
TOT PCT	23.4	43.8	28.1	4.7	.0		100.0		100.0	100.0	100.0	100.0

NOVEMBER

PERIOD: (PRIMARY) 1909-1977
(OVER-ALL) 1893-1977

TABLE 4

AREA 0022 ISLAS JUAN FERNANDEZ
33.2S 78.5W

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
				WIND SPEED (KNOTS)						
00&03	.0	.0	16.7	66.7	16.7	.0	.0	15.6	100.0	6
06&09	.0	.0	42.3	42.3	15.4	.0	.0	13.0	100.0	26
12&15	12.5	12.5	25.0	37.5	12.5	.0	.0	11.5	100.0	8
18&21	.0	8.3	37.5	37.5	16.7	.0	.0	13.1	100.0	24
TOT	1	3	23	27	10	0	0	13.1		64
PCT	1.6	4.7	35.9	42.2	15.6	.0	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	.0	.0	.0	7.6		8.0
NE	.0	.0	.0	.0		.0
E	.0	.0	.0	.0		.0
SE	.0	4.3	.0	2.2		4.6
S	.0	.0	17.4	14.1		7.0
SW	.0	.0	8.7	1.1		5.7
W	.0	.0	.0	3.3		8.0
NW	4.3	.0	26.1	10.9		6.4
VAR	.0	.0	.0	.0		.0
CALM	.0	.0	.0	.0		.0
TOT OBS	1	1	12	9	23	6.6
TOT PCT	4.3	4.3	52.2	39.1	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT,NH >4/8) AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

WND DIR	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	TOTAL OBS
N	.0	.0	3.3	.0	.0	4.3	.0	.0	.0	.0	.0	
NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
E	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
SE	.0	.0	.0	1.1	1.1	.0	.0	.0	.0	.0	4.3	
S	.0	4.3	.0	3.3	19.6	.0	.0	.0	.0	.0	4.3	
SW	.0	.0	.0	.0	1.1	.0	.0	.0	.0	.0	8.7	
W	.0	.0	3.3	.0	.0	.0	.0	.0	.0	.0	.0	
NW	.0	.0	6.5	4.3	4.3	8.7	4.3	.0	.0	.0	13.0	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT OBS	0	1	3	2	6	3	1	0	0	0	7	23
TOT PCT	.0	4.3	13.0	8.7	26.1	13.0	4.3	.0	.0	.0	30.4	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) = OR >10	= OR >5	= OR >2	= OR >1	= OR >1/2	= OR >1/4	= OR >50YD	= OR >0
= OR >6500	.0	.0	.0	.0	.0	.0	.0	.0
= OR >5000	.0	.0	.0	.0	.0	.0	.0	.0
= OR >3500	.0	.0	4.2	4.2	4.2	4.2	4.2	4.2
= OR >2000	4.2	8.3	12.5	16.7	16.7	16.7	16.7	16.7
= OR >1000	25.0	33.3	37.5	41.7	41.7	41.7	41.7	41.7
= OR >600	29.2	41.7	45.8	50.0	50.0	50.0	50.0	50.0
= OR >300	29.2	41.7	45.8	62.5	62.5	62.5	62.5	62.5
= OR >150	29.2	41.7	50.0	66.7	66.7	66.7	66.7	66.7
= OR > 0	29.2	41.7	50.0	66.7	66.7	66.7	66.7	66.7
TOTAL	7	10	12	16	16	16	16	16

TOTAL NUMBER OF OBS: 24 PCT FREQ NH <5/8: 33.3

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8 OBSCD	TOTAL OBS
4.2	4.2	8.3	12.5	4.2	4.2	12.5	12.5	37.5	.0	24

NOVEMBER

PERIOD: (PRIMARY) 1909-1977
(OVER-ALL) 1893-1977

AREA 0022 ISLAS JUAN FERNANDEZ
33.2S 78.5W

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
<1/2	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	PCP	3.3	.0	.0	.0	.0	.0	3.3	6.5	.0	.0	13.0	
1<2	NO PCP	4.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.3	
	TOT %	7.6	.0	.0	.0	.0	.0	3.3	6.5	.0	.0	17.4	
	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	NO PCP	.0	.0	.0	.0	4.3	.0	.0	4.3	.0	.0	8.7	
	TOT %	.0	.0	.0	.0	4.3	.0	.0	4.3	.0	.0	8.7	
	PCP	.0	.0	.0	.0	.0	.0	.0	4.3	.0	.0	4.3	
5<10	NO PCP	.0	.0	.0	.0	.0	.0	.0	8.7	.0	.0	8.7	
	TOT %	.0	.0	.0	.0	.0	.0	.0	13.0	.0	.0	13.0	
	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
10+	NO PCP	.0	.0	.0	6.5	27.2	9.8	.0	17.4	.0	.0	60.9	
	TOT %	.0	.0	.0	6.5	27.2	9.8	.0	17.4	.0	.0	60.9	
	TOT OBS												23
	TOT PCT	7.6	.0	.0	6.5	31.5	9.8	3.3	41.3	.0	.0	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
<1/2	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	3.3	.0	.0	.0	.0	.0	3.3	2.2	.0		8.7	
	22+	4.3	.0	.0	.0	.0	.0	.0	4.3	.0		8.7	
	TOT %	7.6	.0	.0	.0	.0	.0	3.3	6.5	.0	.0	17.4	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	4-10	.0	.0	.0	.0	4.3	.0	.0	.0	.0		4.3	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	4.3	.0		4.3	
	TOT %	.0	.0	.0	.0	4.3	.0	.0	4.3	.0	.0	8.7	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
5<10	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	13.0	.0		13.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	13.0	.0	.0	13.0	
	0-3	.0	.0	.0	.0	.0	4.3	.0	.0	.0	.0	4.3	
10+	4-10	.0	.0	.0	2.2	14.1	5.4	.0	4.3	.0		26.1	
	11-21	.0	.0	.0	.0	13.0	.0	.0	4.3	.0		17.4	
	22+	.0	.0	.0	4.3	.0	.0	.0	8.7	.0		13.0	
	TOT %	.0	.0	.0	6.5	27.2	9.8	.0	17.4	.0	.0	60.9	
	TOT OBS												23
	TOT PCT	7.6	.0	.0	6.5	31.5	9.8	3.3	41.3	.0	.0	100.0	

NOVEMBER

PERIOD: (PRIMARY) 1909-1977
(OVER-ALL) 1893-1977

AREA 0022 ISLAS JUAN FERNANDEZ
33.2S 78.5W

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET,NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00&03	.0	.0	25.0	.0	50.0	.0	.0	.0	.0	.0	75.0	25.0	4
06&09	.0	.0	14.3	.0	42.9	14.3	.0	.0	.0	.0	71.4	28.6	7
12&15	.0	16.7	.0	16.7	16.7	16.7	16.7	.0	.0	.0	83.3	16.7	6
18&21	.0	.0	14.3	14.3	.0	14.3	.0	.0	.0	.0	42.9	57.1	7
TOT	0	1	3	2	6	3	1	0	0	0	16	8	24
PCT	.0	4.2	12.5	8.3	25.0	12.5	4.2	.0	.0	.0	66.7	33.3	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00&03	.0	.0	25.0	.0	.0	75.0	4
06&09	.0	.0	28.6	.0	.0	71.4	7
12&15	.0	.0	.0	33.3	33.3	33.3	6
18&21	.0	.0	14.3	.0	28.6	57.1	7
TOT	0	0	4	2	4	14	24
PCT	.0	.0	16.7	8.3	16.7	58.3	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET,NH >4/8), BY HOUR

HOUR (GMT)	<150 <50YD	<600 <1	<1000 <3	1000+ AND3+	NH <5/8 AND 5+	TOTAL OBS
00&03	.0	25.0	25.0	50.0	25.0	4
06&09	.0	14.3	28.6	42.9	28.6	7
12&15	.0	16.7	50.0	33.3	16.7	6
18&21	.0	14.3	28.6	14.3	57.1	7
TOT	0	4	8	8	8	24
PCT	.0	16.7	33.3	33.3	33.3	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
65/69	.0	.0	.0	.0	.0	.0	6.3	.0	2	6.3
60/64	.0	.0	.0	3.1	.0	25.0	21.9	12.5	20	62.5
55/59	.0	.0	.0	.0	3.1	6.3	18.8	3.1	10	31.3
TOTAL	0	0	0	1	1	10	15	5	32	100.0
PCT	.0	.0	.0	3.1	3.1	31.3	46.9	15.6		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
2.3	.0	.0	.0	.0	3.1	.0	.8	.0	.0
9.4	.0	.0	.0	8.6	10.2	2.3	28.9	.0	3.1
.0	.0	.0	4.7	25.8	.8	.0	.0	.0	.0
11.7	.0	.0	4.7	34.4	14.1	2.3	29.7	.0	3.1

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00&03	65	64	64	60	55	55	55	60.9	7
06&09	63	62	62	59	55	54	54	59.0	26
12&15	64	63	63	61	56	56	56	61.4	8
18&21	67	66	66	62	58	57	57	62.0	24
TOT	67	66	65	61	56	54	54	60.6	65

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00&03	.0	.0	.0	14.3	85.7	.0	82	7
06&09	.0	10.0	.0	20.0	50.0	20.0	83	10
12&15	.0	.0	.0	25.0	37.5	37.5	86	8
18&21	.0	11.1	11.1	55.6	22.2	.0	74	9
TOT	0	2	1	10	16	5	81	34

NOVEMBER

PERIOD: (PRIMARY) 1909-1977
(OVER-ALL) 1893-1977

AREA 0022 ISLAS JUAN FERNANDEZ
33.2S 78.5W

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	53 56	57 60	61 64	65 68	TOT	W FOG	WO FOG
4	.0	.0	12.5	4.2	4	.0	16.7
3	.0	.0	8.3	.0	2	.0	8.3
2	.0	.0	12.5	.0	3	.0	12.5
1	.0	.0	8.3	.0	2	.0	8.3
0	.0	.0	4.2	.0	1	.0	4.2
-1	4.2	8.3	8.3	.0	5	.0	20.8
-2	4.2	8.3	.0	.0	3	.0	12.5
-3	.0	8.3	.0	.0	2	.0	8.3
-4	.0	.0	4.2	.0	1	.0	4.2
-6	4.2	.0	.0	.0	1	.0	4.2
TOTAL	3		14			0	24
		6		1	24		
PCT	12.5	25.0	58.3	4.2	100.0		100.0

PERIOD: (OVER-ALL) 1963-1977

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	3.4	4.5	.0	.0	8.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	3.4	4.5	.0	.0	8.0

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	1.1	.0	.0	.0	.0	1.1
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	4.5	.0	.0	4.5
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	1.1	.0	4.5	.0	.0	5.7

PERIOD: (OVER-ALL) 1963-1977

NOVEMBER

AREA 0022 ISLAS JUAN FERNANDEZ
33.2S 78.5W

TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

S

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	15.9	4.5	.0	.0	.0	20.5
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	9.1	.0	.0	.0	9.1
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	15.9	13.6	.0	.0	.0	29.5

SW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	4.5	.0	.0	.0	.0	.0	4.5
3-4	.0	1.1	.0	.0	.0	.0	1.1
5-6	.0	4.5	.0	.0	.0	.0	4.5
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	4.5	5.7	.0	.0	.0	.0	10.2

W

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	3.4	.0	.0	.0	3.4
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	3.4	.0	.0	.0	3.4

NW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	.0	.0	.0	.0	.0	.0	.0	
1-2	.0	4.5	4.5	.0	.0	.0	9.1	
3-4	.0	.0	15.9	9.1	.0	.0	25.0	
5-6	.0	.0	.0	4.5	.0	.0	4.5	
7	.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	4.5	.0	.0	4.5	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.0	4.5	20.5	18.2	.0	.0	43.2	100.0

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	.0	.0	.0	.0	.0	.0	.0	
1-2	4.5	4.5	4.5	.0	.0	.0	13.6	
3-4	.0	18.2	27.3	13.6	.0	.0	59.1	
5-6	.0	4.5	.0	4.5	.0	.0	9.1	
7	.0	.0	9.1	4.5	.0	.0	13.6	
8-9	.0	.0	.0	4.5	.0	.0	4.5	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	4.5	27.3	40.9	27.3	.0	.0	100.0	22

PERIOD: (OVER-ALL) 1963-1977

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	.0	.0	8.7	4.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3	4
6-7	.0	.0	.0	17.4	8.7	13.0	.0	8.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	11	7
8-9	.0	4.3	.0	17.4	8.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7	5
10-11	.0	.0	4.3	.0	.0	.0	4.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2	7
12-13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
>13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
INDET	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
TOTAL	0	1	3	9	4	3	1	2	0	0	0	0	0	0	0	0	0	0	0	23	6
PCT	.0	4.3	13.0	39.1	17.4	13.0	4.3	8.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

DECEMBER

PERIOD: (PRIMARY) 1910-1970
(OVER-ALL) 1882-1970

AREA 0022 ISLAS JUAN FERNANDEZ
33.2S 78.6W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
E	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
SE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
SW	21.1	.0	.0	.0	.0	.0	.0	21.1	.0	.0	.0	.0	.0	.0	.0	78.9
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
TOT PCT	4.3	.0	.0	.0	.0	.0	.0	4.3	.0	.0	.0	.0	.0	.0	.0	95.7
TOT OBS:	23															

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
00603	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
06609	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
12615	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
18621	16.7	.0	.0	.0	.0	.0	.0	16.7	.0	.0	.0	.0	.0	.0	.0	83.3
TOT PCT	4.2	.0	.0	.0	.0	.0	.0	4.2	.0	.0	.0	.0	.0	.0	.0	95.8
TOT OBS:	24															

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	WIND SPEED (KNOTS)									HOUR (GMT)							
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NE	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
E	2.6	.0	.0	.0	.0	.0		2.6	3.0	.0	.0	16.7	.0	.0	.0	.0	.0
SE	.0	10.3	13.5	.6	.0	.0		24.4	12.8	4.2	.0	33.3	33.3	75.0	.0	31.3	11.1
S	2.6	10.9	20.5	4.5	.0	.0		38.5	12.3	29.2	37.5	.0	62.5	25.0	.0	43.8	66.7
SW	.0	9.6	4.5	.0	.0	.0		14.1	9.1	16.7	12.5	16.7	4.2	.0	50.0	.0	22.2
W	.0	.0	1.9	2.6	.0	.0		4.5	21.1	16.7	37.5	.0	.0	.0	.0	.0	.0
NW	.0	2.6	10.9	.0	.0	.0		13.5	12.5	33.3	12.5	16.7	.0	.0	50.0	25.0	.0
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	2.6							2.6	.0	.0	.0	16.7	.0	.0	.0	.0	.0
TOT OBS	3	13	20	3	0	0	39		11.8	6	2	6	6	4	2	4	9
TOT PCT	7.7	33.3	51.3	7.7	.0	.0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

	WIND SPEED (KNOTS)								HOUR (GMT)			
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	06 09	12 15	18 21
N	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
NE	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
E	2.6	.0	.0	.0	.0		2.6	3.0	.0	8.3	.0	.0
SE	5.1	8.3	10.9	.0	.0		24.4	12.8	3.1	33.3	50.0	17.3
S	8.3	18.6	11.5	.0	.0		38.5	12.3	31.3	31.3	16.7	59.6
SW	4.5	9.0	.6	.0	.0		14.1	9.1	15.6	10.4	16.7	15.4
W	.0	.0	4.5	.0	.0		4.5	21.1	21.9	.0	.0	.0
NW	.0	12.8	.6	.0	.0		13.5	12.5	28.1	8.3	16.7	7.7
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	2.6						2.6	.0	.0	8.3	.0	.0
TOT OBS	9	19	11	0	0	39		11.8	8	12	6	13
TOT PCT	23.1	48.7	28.2	.0	.0		100.0		100.0	100.0	100.0	100.0

DECEMBER

PERIOD: (PRIMARY) 1910-1976
(OVER-ALL) 1882-1976

AREA 0022 ISLAS JUAN FERNANDEZ
33.2S 78.6W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	1-3	4-10	WIND SPEED (KNOTS) 11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00&03	.0	.0	25.0	50.0	25.0	.0	.0	14.7	100.0	8
06&09	8.3	16.7	33.3	41.7	.0	.0	.0	10.1	100.0	12
12&15	.0	.0	16.7	83.3	.0	.0	.0	12.8	100.0	6
18&21	.0	.0	46.2	46.2	7.7	.0	.0	11.3	100.0	13
TOT	1	2	13	20	3	0	0	11.8		39
PCT	2.6	5.1	33.3	51.3	7.7	.0	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	.0	.0	.0	.0		.0
NE	.0	.0	.0	.0		.0
E	.0	.0	.0	.0		.0
SE	5.0	1.3	11.3	.0		4.9
S	8.8	8.8	8.8	.0		3.5
SW	11.3	.0	5.0	5.0		4.0
W	.0	.0	5.0	3.8		7.4
NW	.0	10.0	10.0	1.3		4.7
VAR	.0	.0	.0	.0		.0
CALM	5.0	.0	.0	.0		.0
TOT OBS	0	4	8	7	20	4.3
TOT PCT	30.0	20.0	40.0	10.0	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT,NH >4/8) AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

WND DIR	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	TOTAL OBS
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
E	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
SE	.0	.0	.0	.0	5.0	5.0	.0	.0	.0	.0	7.5	
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	26.3	
SW	.0	.0	.0	.0	5.0	5.0	.0	.0	.0	.0	11.3	
W	.0	.0	.0	.0	5.0	3.8	.0	.0	.0	.0	.0	
NW	.0	.0	.0	.0	.0	1.3	.0	.0	.0	.0	20.0	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.0	
TOT OBS	0	0	0	0	3	3	0	0	0	0	14	20
TOT PCT	.0	.0	.0	.0	15.0	15.0	.0	.0	.0	.0	70.0	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) = OR >10	= OR >5	= OR >2	= OR >1	= OR >1/2	= OR >1/4	= OR >50YD	= OR >0
= OR >6500	.0	.0	.0	.0	.0	.0	.0	.0
= OR >5000	.0	.0	.0	.0	.0	.0	.0	.0
= OR >3500	.0	.0	.0	.0	.0	.0	.0	.0
= OR >2000	4.8	14.3	14.3	14.3	14.3	14.3	14.3	14.3
= OR >1000	14.3	23.8	28.6	33.3	33.3	33.3	33.3	33.3
= OR >600	14.3	23.8	28.6	33.3	33.3	33.3	33.3	33.3
= OR >300	14.3	23.8	28.6	33.3	33.3	33.3	33.3	33.3
= OR >150	14.3	23.8	28.6	33.3	33.3	33.3	33.3	33.3
= OR > 0	14.3	23.8	28.6	33.3	33.3	33.3	33.3	33.3
TOTAL	3	5	6	7	7	7	7	7

TOTAL NUMBER OF OBS: 21 PCT FREQ NH <5/8: 66.7

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8 OBSCD	TOTAL OBS
4.8	23.8	9.5	4.8	23.8	4.8	4.8	14.3	9.5	.0	21

PERIOD: (PRIMARY) 1910-1970
(OVER-ALL) 1882-1970

AREA 0022 ISLAS JUAN FERNANDEZ
33.2S 78.6W

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	PCP	.0	.0	.0	.0	.0	4.3	.0	.0	.0	.0	4.3	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	4.3	.0	.0	.0	.0	4.3	
2<5	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	4.3	.0	.0	.0	4.3	
	TOT %	.0	.0	.0	.0	.0	.0	4.3	.0	.0	.0	4.3	
5<10	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	4.3	.0	6.5	6.5	3.3	5.4	.0	4.3	30.4	
	TOT %	.0	.0	4.3	.0	6.5	6.5	3.3	5.4	.0	4.3	30.4	
10+	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	15.2	22.8	9.8	.0	13.0	.0	.0	60.9	
	TOT %	.0	.0	.0	15.2	22.8	9.8	.0	13.0	.0	.0	60.9	
	TOT OBS												23
	TOT PCT	.0	.0	4.3	15.2	29.3	20.7	7.6	18.5	.0	4.3	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	4.3	.0	.0	.0		4.3	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	4.3	.0	.0	.0	.0	4.3	
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	4.3	.0	.0		4.3	
	TOT %	.0	.0	.0	.0	.0	.0	4.3	.0	.0	.0	4.3	
5<10	0-3	.0	.0	4.3	.0	4.3	.0	.0	.0	.0	4.3	13.0	
	4-10	.0	.0	.0	.0	2.2	6.5	.0	.0	.0		8.7	
	11-21	.0	.0	.0	.0	.0	.0	3.3	5.4	.0		8.7	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	4.3	.0	6.5	6.5	3.3	5.4	.0	4.3	30.4	
10+	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	4.3	4.3	4.3	.0	.0	.0		13.0	
	11-21	.0	.0	.0	9.8	10.9	5.4	.0	13.0	.0		39.1	
	22+	.0	.0	.0	1.1	7.6	.0	.0	.0	.0		8.7	
	TOT %	.0	.0	.0	15.2	22.8	9.8	.0	13.0	.0	.0	60.9	
	TOT OBS												23
	TOT PCT	.0	.0	4.3	15.2	29.3	20.7	7.6	18.5	.0	4.3	100.0	

DECEMBER

PERIOD: (PRIMARY) 1910-1970
(OVER-ALL) 1882-1970

AREA 0022 ISLAS JUAN FERNANDEZ
33.2S 78.6W

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00&03	.0	.0	.0	.0	12.5	12.5	.0	.0	.0	.0	25.0	75.0	8
06&09	.0	.0	.0	.0	33.3	33.3	.0	.0	.0	.0	66.7	33.3	3
12&15	.0	.0	.0	.0	.0	20.0	.0	.0	.0	.0	20.0	80.0	5
18&21	.0	.0	.0	.0	40.0	.0	.0	.0	.0	.0	40.0	60.0	5
TOT	0	0	0	0	4	3	0	0	0	0	7	14	21
PCT	.0	.0	.0	.0	19.0	14.3	.0	.0	.0	.0	33.3	66.7	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00&03	.0	.0	.0	12.5	12.5	75.0	8
06&09	.0	.0	.0	.0	80.0	20.0	5
12&15	.0	.0	.0	.0	20.0	80.0	5
18&21	.0	.0	16.7	.0	16.7	66.7	6
TOT	0	0	1	1	7	15	24
PCT	.0	.0	4.2	4.2	29.2	62.5	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET, NH >4/8), BY HOUR

HOUR (GMT)	<150 <500YD	<600 <1	<1000 <3	1000+ AND5+	NH <5/8 AND 5+	TOTAL OBS
00&03	.0	.0	12.5	12.5	75.0	8
06&09	.0	.0	.0	66.7	33.3	3
12&15	.0	.0	.0	20.0	80.0	5
18&21	.0	.0	20.0	20.0	60.0	5
TOT	0	0	2	5	14	21
PCT	.0	.0	9.5	23.8	66.7	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
65/69	.0	.0	.0	.0	13.0	21.7	21.7	8.7	15	65.2
60/64	.0	.0	.0	4.3	.0	17.4	13.0	.0	8	34.8
TOTAL	0	0	0	1	3	9	8	2	23	100.0
PCT	.0	.0	.0	4.3	13.0	39.1	34.8	8.7		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

	N	NE	E	SE	S	SW	W	NW	VAR	CALM
	.0	.0	4.3	4.3	17.4	17.4	7.6	9.8	.0	4.3
	.0	.0	.0	15.2	15.2	4.3	.0	.0	.0	.0
	.0	.0	4.3	19.6	32.6	21.7	7.6	9.8	.0	4.3

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00&03	69	68	68	66	62	62	62	65.4	8
06&09	66	65	65	63	58	58	58	62.5	12
12&15	68	67	67	66	61	61	61	65.3	6
18&21	71	70	70	66	60	60	60	65.1	12
TOT	71	70	69	65	59	58	58	64.4	38

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00&03	.0	14.3	14.3	42.9	28.6	.0	75	7
06&09	.0	.0	20.0	40.0	20.0	20.0	79	5
12&15	.0	.0	16.7	50.0	16.7	16.7	77	6
18&21	.0	.0	16.7	16.7	66.7	.0	78	6
TOT	0	1	4	9	8	2	77	24

DECEMBER

PERIOD: (PRIMARY) 1910-1976
(OVER-ALL) 1882-1976

AREA 0022 ISLAS JUAN FERNANDEZ
33.2S 78.6W

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	61 64	65 68	69 72	TOT	W FOG	WO FOG
6	.0	.0	4.3	1	.0	4.3
5	.0	.0	4.3	1	.0	4.3
3	.0	13.0	.0	3	.0	13.0
2	.0	8.7	.0	2	.0	8.7
1	.0	8.7	.0	2	.0	8.7
0	8.7	17.4	.0	6	.0	26.1
-1	13.0	4.3	.0	4	.0	17.4
-2	4.3	8.7	.0	3	.0	13.0
-3	4.3	.0	.0	1	.0	4.3
TOTAL	7	14	2	23	0	23
PCT	30.4	60.9	8.7	100.0		100.0

PERIOD: (OVER-ALL) 1963-1976

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	1.8	.0	.0	.0	1.8
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	1.8	.0	.0	.0	1.8

PERIOD: (OVER-ALL) 1963-1976

DECEMBER

TABLE 18 (CONT)

AREA 0022 ISLAS JUAN FERNANDEZ
33.2S 78.6W

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

S

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	7.1	12.5	.0	.0	.0	19.6
3-4	.0	.0	5.4	.0	.0	.0	5.4
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	7.1	17.9	.0	.0	.0	25.0

SW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	21.4	8.9	.0	.0	.0	30.4
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	21.4	8.9	.0	.0	.0	30.4

W

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	5.4	7.1	.0	.0	12.5
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	5.4	7.1	.0	.0	12.5

NW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	.0	.0	.0	.0	.0	.0	.0	
1-2	.0	.0	7.1	.0	.0	.0	7.1	
3-4	.0	.0	23.2	.0	.0	.0	23.2	
5-6	.0	.0	.0	.0	.0	.0	.0	
7	.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.0	.0	30.4	.0	.0	.0	30.4	100.0

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	.0	.0	.0	.0	.0	.0	.0	
1-2	6.7	26.7	26.7	.0	.0	.0	60.0	
3-4	.0	.0	33.3	6.7	.0	.0	40.0	
5-6	.0	.0	.0	.0	.0	.0	.0	
7	.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	6.7	26.7	60.0	6.7	.0	.0	100.0	15

PERIOD: (OVER-ALL) 1959-1976

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	.0	41.2	11.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	9	2
6-7	.0	.0	.0	5.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	5
8-9	.0	.0	5.9	23.5	11.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7	5
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
12-13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
>13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
INDET	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
TOTAL	0	7	3	5	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17	4
PCT	.0	41.2	17.6	29.4	11.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

ANNUAL

PERIOD: (PRIMARY) 1906-1978
(OVER-ALL) 1881-1978

AREA 0022 ISLAS JUAN FERNANDEZ
33.2S 78.3W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

	PRECIPITATION TYPE									OTHER WEATHER PHENOMENA					
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
N	.0	.0	3.6	.0	.0	.0	.0	3.6	4.8	.0	.0	.0	.0	.0	.0	33.3
NE	.0	.0	8.3	.0	.0	.0	.0	8.3	.0	.0	.0	.0	.0	.0	.0	8.3
E	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	41.7
SE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	91.7
S	.0	.0	1.3	.0	.0	.0	.0	1.3	1.7	.0	.0	.0	.0	.0	.0	97.1
SW	1.8	.0	1.0	.0	.0	.0	.0	2.7	.8	.0	.0	.0	.0	.0	.0	79.8
W	8.3	.0	1.4	.0	.0	.0	.0	9.7	2.6	.0	.0	.0	.0	.0	.0	71.0
NW	19.2	.0	1.1	.0	.0	.0	.0	20.2	4.2	.0	.0	.0	.0	.0	.0	67.3
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	8.3	.0	.0	.0	.0	.0	16.7
TOT PCT	3.2	.0	2.2	.0	.0	.0	.0	5.4	2.9	.8	.0	.0	.0	.0	.0	91.3
TOT OBS:	224															

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

	PRECIPITATION TYPE									OTHER WEATHER PHENOMENA					
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
00603	3.0	.0	.0	.0	.0	.0	.0	3.0	3.7	.0	.0	.0	.0	.0	.0	93.3
06609	.0	.0	2.6	.0	.0	.0	.0	2.6	1.2	.0	.0	.0	.0	.0	.0	96.2
12615	3.1	.0	5.0	.0	.0	.0	.0	8.1	1.4	8.3	.0	.0	.0	.0	.0	82.2
18621	7.2	.0	1.2	.0	.0	.0	.0	8.4	3.1	.0	.0	.0	.0	.0	.0	88.5
TOT PCT	3.1	.0	2.1	.0	.0	.0	.0	5.3	2.4	.8	.0	.0	.0	.0	.0	91.4
TOT OBS:	228															

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	WIND SPEED (KNOTS)									HOUR (GMT)							
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	.2	2.2	1.0	.4	.2	.0		3.8	7.0	.0	.0	4.6	3.8	.8	.0	2.8	4.7
NE	.3	.7	.5	.2	.0	.0		1.6	6.2	.0	.0	2.9	2.5	.8	.0	.0	1.1
E	.5	.7	1.0	.5	.1	.0		2.7	11.8	2.9	.0	5.3	1.6	2.1	.0	2.9	2.7
SE	.6	5.2	9.1	4.3	.5	.0		20.6	14.9	11.7	1.0	18.5	26.4	22.0	2.1	14.7	22.5
S	1.2	10.1	14.4	3.7	.3	.0		29.8	13.1	46.8	14.6	22.4	27.0	37.2	2.1	49.0	28.0
SW	1.0	8.0	4.5	.5	.1	.0		14.2	9.7	12.4	1.0	18.7	11.3	15.7	6.3	9.8	16.7
W	.7	3.9	3.2	.9	.0	.0		8.8	11.9	14.1	3.1	10.2	9.0	5.9	2.1	5.4	6.7
NW	1.1	5.4	7.2	2.5	.6	.1		16.8	13.9	12.0	5.2	16.0	16.6	7.3	8.3	15.5	16.0
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	1.6							1.6	.0	.0	.0	1.4	1.7	8.3	4.2	.0	1.5
TOT OBS							769		13.0	62	5	98	253	44	8	61	238
TOT PCT	7.0	37.3	40.9	13.0	1.8	.1		100.0		100.0	25.0	100.0	100.0	100.0	25.0	100.0	100.0

TABLE 3A

	WIND SPEED (KNOTS)								HOUR (GMT)			
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	06 09	12 15	18 21
N	1.6	1.6	.3	.2	.2		3.8	7.0	.0	3.9	.8	4.6
NE	.5	.8	.4	.0	.0		1.6	6.2	.0	2.3	.8	.9
E	.9	.5	.9	.5	.0		2.7	11.8	2.9	3.0	2.1	3.0
SE	3.0	9.5	7.0	1.1	.0		20.6	14.9	11.8	23.4	19.4	20.6
S	5.9	14.4	8.4	.9	.2		29.8	13.1	47.5	25.6	34.2	30.9
SW	4.7	6.7	2.5	.3	*		14.2	9.7	11.7	13.4	17.7	15.4
W	2.5	4.2	1.8	.2	.0		8.8	11.9	14.2	9.5	7.0	6.6
NW	3.0	8.7	3.2	1.5	.5		16.8	13.9	12.0	17.1	8.7	16.7
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	1.6						1.6	.0	.0	1.8	9.4	1.3
TOT OBS						769		13.0	67	351	52	299
TOT PCT	23.6	46.4	24.5	4.7	.8		100.0		100.0	100.0	100.0	100.0

ANNUAL

PERIOD: (PRIMARY) 1906-1978
(OVER-ALL) 1861-1978

AREA 0022 ISLAS JUAN FERNANDEZ
33.2S 78.3W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS) 1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00&03	.0	.0	37.1	50.1	12.8	.0	.0	14.2	100.0	67
06&09	1.8	7.0	38.3	39.1	11.9	1.8	.2	12.6	100.0	331
12&15	9.4	1.8	23.2	49.3	14.6	1.7	.0	13.6	100.0	52
18&21	1.3	5.7	40.3	37.2	13.6	1.9	.0	12.7	100.0	299
TOT								13.0		769
PCT	1.6	5.4	37.3	40.9	13.0	1.8	.1		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	1.0	.0	.0	1.4		1.7
NE	.0	.6	.0	.3		.9
E	.0	.0	1.4	.6		2.4
SE	4.4	4.1	5.7	1.2		4.2
S	5.6	4.8	19.5	6.1		4.4
SW	3.0	3.2	6.7	1.9		3.8
W	3.8	1.2	4.0	1.9		4.2
NW	3.5	1.4	7.8	2.6		4.9
VAR	.0	.0	.0	.0		.0
CALM	.6	.0	.0	.9		.7
TOT OBS					209	4.8
TOT PCT	22.5	15.4	45.1	17.0	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT,NH >4/8) AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

WND DIR	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	TOTAL OBS
N	.0	.0	.3	.0	.5	.7	.0	.0	.0	.0	1.0	
NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9	
E	.0	.0	.0	1.1	.4	.0	.0	.0	.0	.0	.3	
SE	.0	.1	.2	1.7	3.0	.9	.7	.0	.0	.0	9.0	
S	.0	.7	.4	4.8	10.0	1.2	2.0	1.1	.0	.7	15.1	
SW	.0	.0	.3	1.2	1.6	.4	1.5	.0	.0	.0	10.4	
W	.0	.0	.8	.4	2.6	1.0	.5	.0	.0	.0	5.7	
NW	.0	.0	.5	.7	2.3	1.5	.4	.0	.0	.0	9.9	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.6	
TOT OBS												209
TOT PCT	.0	.9	2.5	9.9	20.6	5.6	5.0	1.1	.0	.7	53.8	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) = OR >10	= OR >5	= OR >2	= OR >1	= OR >1/2	= OR >1/4	= OR >5OYD	= OR >0
= OR >6500	.7	.7	.7	.7	.7	.7	.7	.7
= OR >5000	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
= OR >3500	4.9	6.4	6.7	6.7	6.7	6.7	6.7	6.7
= OR >2000	8.4	11.5	11.9	12.2	12.2	12.2	12.2	12.2
= OR >1000	25.3	29.3	32.1	32.8	32.8	32.8	32.8	32.8
= OR >600	35.8	40.5	43.3	44.0	44.0	44.0	44.0	44.0
= OR >300	35.8	41.2	44.8	46.5	46.5	46.5	46.5	46.5
= OR >150	36.3	41.7	45.6	47.4	47.4	47.4	47.4	47.4
= OR > 0	36.3	41.7	45.6	47.4	47.4	47.4	47.4	47.4

TOTAL NUMBER OF OBS: 212 PCT FREQ NH <5/8: 52.6

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8 OBSCD	TOTAL OBS
7.5	8.5	10.8	13.2	10.2	11.2	7.6	15.1	15.9	.0	217

ANNUAL

PERIOD: (PRIMARY) 1906-1976
(OVER-ALL) 1861-1978

AREA 0022 ISLAS JUAN FERNANDEZ
33.2S 78.3W

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	PCP	.3	.0	.0	.0	.0	.4	.3	.5	.0	.0	1.4	
	NO PCP	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	
	TOT %	.6	.0	.0	.0	.0	.4	.3	.5	.0	.0	1.8	
2<5	PCP	.0	.0	.0	.0	.0	.2	.6	2.1	.0	.0	2.9	
	NO PCP	.0	.0	.6	.0	.4	.0	.4	.4	.0	.0	1.7	
	TOT %	.0	.0	.6	.0	.4	.2	.9	2.5	.0	.0	4.6	
5<10	PCP	.0	.3	.0	.0	.3	.1	.0	.4	.0	.0	1.1	
	NO PCP	.0	.0	.6	1.9	2.7	2.3	1.0	1.2	.0	.4	10.0	
	TOT %	.0	.3	.6	1.9	3.0	2.4	1.0	1.5	.0	.4	11.0	
10+	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	2.7	.6	1.0	11.8	34.4	11.3	9.0	10.7	.0	1.0	82.5	
	TOT %	2.7	.6	1.0	11.8	34.4	11.3	9.0	10.7	.0	1.0	82.5	
	TOT OBS												223
	TOT PCT	3.3	.9	2.3	13.7	37.7	14.2	11.1	15.2	.0	1.4	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

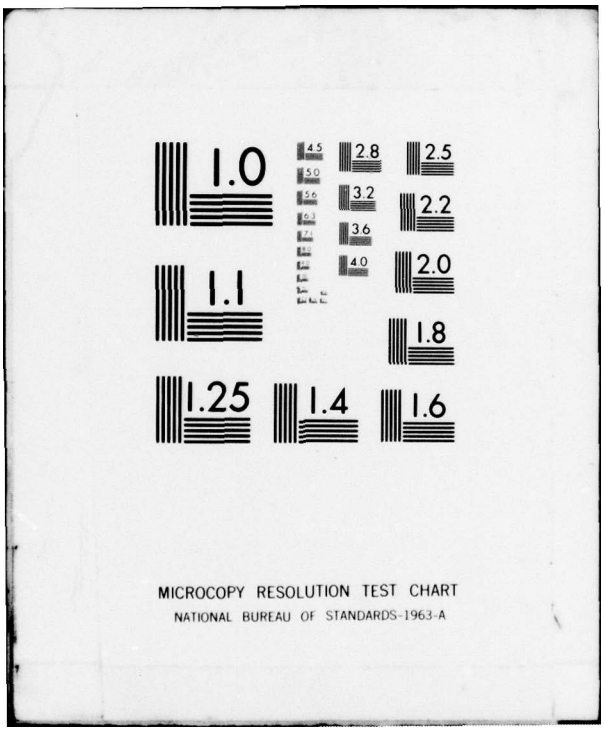
VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.4	.0	.0	.0		.4	
	11-21	.3	.0	.0	.0	.0	.0	.3	.2	.0		.7	
	22+	.4	.0	.0	.0	.0	.0	.0	.4	.0		.7	
	TOT %	.6	.0	.0	.0	.0	.4	.3	.5	.0	.0	1.8	
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.6	.0	.4	.0	.0	.0	.0		1.0	
	11-21	.0	.0	.0	.0	.0	.2	.6	1.3	.0		2.0	
	22+	.0	.0	.0	.0	.0	.0	.4	1.2	.0		1.6	
	TOT %	.0	.0	.6	.0	.4	.2	.9	2.5	.0	.0	4.6	
5<10	0-3	.0	.0	.4	.0	.4	.0	.0	.0	.0	.4	1.1	
	4-10	.0	.0	.0	.0	.5	1.6	.5	.0	.0		2.6	
	11-21	.0	.3	.3	1.3	1.5	.5	.3	1.5	.0		5.7	
	22+	.0	.0	.0	.6	.6	.2	.2	.0	.0		1.6	
	TOT %	.0	.3	.6	1.9	3.0	2.4	1.0	1.5	.0	.4	11.0	
10+	0-3	.0	.0	.0	.0	.0	.4	.0	.3	.0	1.0	1.7	
	4-10	.9	.6	.4	4.7	11.1	5.3	4.3	5.1	.0		32.4	
	11-21	1.3	.0	.6	3.7	17.9	5.2	3.9	4.4	.0		37.0	
	22+	.5	.0	.0	3.5	5.3	.5	.8	.9	.0		11.4	
	TOT %	2.7	.6	1.0	11.8	34.4	11.3	9.0	10.7	.0	1.0	82.5	
	TOT OBS												223
	TOT PCT	3.3	.9	2.3	13.7	37.7	14.2	11.1	15.2	.0	1.4	100.0	

AD-A073 874 NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE N C F/G 4/2
SUMMARY OF SYNOPTIC METEOROLOGICAL OBSERVATIONS (SSMO) SELECTED--ETC(U)
SEP 79

UNCLASSIFIED NL

6 OF 7
AD
A073874




1.0
1.1
1.25
1.4
1.6
1.8
2.0
2.2
2.5
2.8
3.2
3.6
4.0
4.5
5.0
5.6
6.3
7.1
MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS-1963-A

ANNUAL

PERIOD: (PRIMARY) 1906-1978
(OVER-ALL) 1861-1978

AREA 0022 ISLAS JUAN FERNANDEZ
33.2S 78.3W

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00&03	.0	.0	2.1	7.6	20.7	9.3	2.1	1.0	.0	.0	41.7	58.3	60
06&09	.0	.0	3.8	6.6	20.0	5.0	3.8	1.2	.0	1.7	42.1	49.6	54
12&15	.0	1.4	4.2	14.3	14.7	8.1	3.1	.0	.0	.0	45.7	46.0	44
18&21	.0	2.1	1.2	8.5	27.0	4.4	9.4	1.4	.0	.0	53.9	37.7	54
TOT													212
PCT	.0	.8	2.5	11.2	20.6	5.5	5.0	1.1	.0	.7	47.4	52.6	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NH) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00&03	.0	.0	2.1	2.1	4.8	91.0	61
06&09	.0	.0	2.4	.0	25.9	71.7	60
12&15	.0	.0	.0	10.7	7.4	81.9	47
18&21	.0	.0	2.6	5.8	5.3	86.3	59
TOT							227
PCT	.0	.0	1.7	4.6	11.2	82.5	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET, NH >4/8), BY HOUR

HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL OBS
00&03	.0	2.1	11.7	30.0	58.3	60
06&09	.0	3.8	11.5	30.5	49.6	54
12&15	.0	5.6	23.3	22.4	46.0	44
18&21	.0	3.3	17.6	36.3	37.7	54
TOT						212
PCT	.0	3.3	18.1	29.3	52.6	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
70/74	.0	.0	.0	.0	.0	.7	.0	.0		.7
65/69	.0	.0	.0	1.0	5.1	6.1	7.7	2.6		22.4
60/64	.0	.0	.3	1.3	6.6	15.0	7.3	5.8		36.3
55/59	.0	.0	.0	5.3	9.6	9.8	4.6	3.2		32.5
50/54	.0	.0	.0	.3	2.7	4.2	1.0	.0		8.2
TOTAL									218	100.0
PCT	.0	.0	.3	7.8	24.0	35.7	20.5	11.5		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
.0	.0	.0	.0	.5	.1	.0	.0	.0	.0
.2	.0	1.0	3.9	8.8	3.0	2.0	2.9	.0	.6
1.8	.0	.0	2.6	16.0	3.5	4.3	7.8	.0	.3
.8	.0	.7	4.9	10.5	7.5	3.8	3.3	.0	1.0
.0	.0	.0	3.5	2.5	.7	.8	.7	.0	.0
2.8	.0	1.7	14.9	38.4	14.8	10.9	14.7	.0	1.9

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00&03	75	64	64	61	59	59	52	62.1	69
06&09	72	65	64	60	55	54	48	58.5	346
12&15	69	61	61	60	58	58	52	60.2	51
18&21	73	67	66	62	57	56	50	60.4	290
TOT	75	68	66	61	56	54	48	59.7	756

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00&03	.0	3.3	32.9	34.3	19.0	10.6	75	62
06&09	.0	1.9	13.3	41.9	27.3	7.3	78	37
12&15	.0	11.7	10.3	40.4	16.9	12.4	77	47
18&21	.0	13.7	24.9	24.6	16.8	11.7	72	37
TOT	0	15	47	85	55	21	76	223

ANNUAL

PERIOD: (PRIMARY) 1906-1978
(OVER-ALL) 1861-1978

AREA 0022 ISLAS JUAN FERNANDEZ
33.2S 78.3W

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	49 52	53 56	57 60	61 64	65 68	69 72	TOT	W FOG	WO FOG
7/8	.0	.0	.3	.0	.0	.0	1	.0	.3
6	.0	.0	.4	.0	.8	.4	3	.0	1.6
5	.0	.0	.3	1.0	.0	.4	3	.0	1.7
4	.0	.0	.0	3.6	.3	.0	7	.0	3.9
3	.0	.4	.7	1.5	2.3	.0	14	.0	4.9
2	.0	.0	.4	3.7	1.4	.0	13	.0	5.5
1	.0	.0	3.0	5.1	3.5	1.0	28	.0	12.5
0	.0	3.3	3.9	2.8	3.8	.3	36	.0	14.1
-1	.0	2.2	3.9	4.5	3.9	.4	31	.0	15.0
-2	.3	2.8	3.2	2.2	1.5	.0	20	.0	10.0
-3	.3	2.7	3.4	3.6	1.6	.0	22	.0	11.6
-4	1.1	2.3	2.9	3.5	1.0	.0	17	.0	10.7
-5	.8	2.3	1.4	.0	.0	.0	8	.0	4.4
-6	.0	.9	.0	.0	.0	.0	3	.0	.9
-7/-8	.6	1.0	1.0	*	.0	.0	7	.0	2.7
-9/-10	.0	.0	.2	.0	.0	.0	1	.0	.2
TOTAL							214		
PCT	3.0	18.0	25.0	31.5	20.1	2.5	100.0		100.0

PERIOD: (OVER-ALL) 1963-1978

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	1.5	.9	.0	.0	2.5
5-6	.0	.0	.3	.0	.0	.0	.3
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	1.9	.9	.0	.0	2.8

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	1.2	.0	.0	.0	.0	1.2
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.5	.0	.0	.0	.5
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	1.2	.5	.0	.0	.0	1.7

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.9	.0	.0	.0	.0	.9
3-4	.0	5.5	2.7	.9	.0	.0	9.1
5-6	.0	.0	1.1	.8	.0	.0	1.8
7	.0	.0	.0	.7	.0	.0	.7
8-9	.0	.0	.0	2.4	.0	.0	2.4
10-11	.0	.0	.0	.8	.0	.0	.8
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	6.4	3.8	5.5	.0	.0	15.7

PERIOD: (OVER-ALL) 1963-1978

ANNUAL

TABLE 18 (CONT)

AREA 0022 ISLAS JUAN FERNANDEZ
33.2S 78.3W

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

	S							SW						
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	5.2	1.5	.0	.0	.0	6.7	.4	3.7	.7	.0	.0	.0	4.9
3-4	.0	1.3	7.4	1.1	.0	.0	9.8	.0	.9	2.0	.0	.0	.0	2.9
5-6	.0	.2	3.6	.4	.0	.0	4.2	.0	1.4	4.2	.0	.0	.0	5.6
7	.0	.0	1.2	1.9	.0	.0	3.1	.0	.0	.0	.7	.0	.0	.7
8-9	.0	.0	2.0	1.4	.0	.0	3.4	.0	.8	1.1	.0	.0	.0	2.0
10-11	.0	.0	.9	1.6	.0	.0	2.5	.0	.0	.0	.2	.0	.0	.2
12	.0	.0	.0	.2	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	6.7	16.6	6.7	.0	.0	30.0	.4	6.9	8.0	.9	.0	.0	16.2

	W							NW						TOTAL
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	PCT
<1	.0	.2	.2	.0	.0	.0	.5	.0	.0	.0	.0	.0	.0	.0	
1-2	.0	2.7	.0	.0	.0	.0	2.7	.0	3.9	2.1	.0	.0	.0	6.0	
3-4	.0	1.2	4.6	.8	.0	.0	6.6	.0	2.2	4.9	.9	.0	.0	8.1	
5-6	.0	.3	.0	.0	.0	.0	.3	.0	.0	3.0	.4	.0	.0	3.3	
7	.0	.0	.6	.6	.0	.0	1.2	.0	1.0	.2	.0	.0	.0	1.2	
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	1.7	.0	2.0	
10-11	.0	.0	.0	.6	.0	.0	.6	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.0	4.5	5.4	2.0	.0	.0	11.9	.0	7.1	10.2	1.7	1.7	.0	20.7	99.0

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	1.0	.2	.2	.0	.0	.0	1.5	
1-2	.9	17.5	4.2	.0	.0	.0	22.7	
3-4	.0	11.1	22.9	4.7	.0	.0	38.7	
5-6	.0	1.9	12.1	1.6	.0	.0	15.6	
7	.0	1.0	2.4	4.0	.0	.0	7.5	
8-9	.0	.8	3.1	4.1	1.7	.0	9.8	
10-11	.0	.0	.9	3.1	.0	.0	4.0	
12	.0	.0	.0	.2	.0	.0	.2	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	2.0	32.7	45.9	17.8	1.7	.0	100.0	164

PERIOD: (OVER-ALL) 1957-1977

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	.0	8.5	4.4	2.9	2.4	1.0	.6	.0	.5	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	37	5
6-7	.0	.6	2.2	6.7	7.3	3.1	3.0	1.0	3.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	63	7
8-9	.0	.6	2.4	0.8	4.9	2.6	4.3	.9	4.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	35	7
10-11	.0	.0	.4	1.2	1.2	1.9	2.1	.8	7.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	19	11
12-13	.0	.0	.0	.0	.0	.8	.3	.0	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4	10
>13	.0	.0	.0	.5	1.0	.5	.6	.0	.0	3.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	9	12
INDET	.5	.0	.3	.0	.0	.5	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5	4
TOTAL PCT	.5	9.7	9.6	18.1	16.9	10.4	11.0	3.2	16.5	4.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	192 100.0	7

PERIOD: (PRIMARY) 1906-1978
(OVER-ALL) 1861-1978

AREA 0022 ISLAS JUAN FERNANDEZ
33.2S 78.3W

TABLE 20

PERCENT FREQUENCY OF OCCURRENCE OF SEA TEMP (DEG F) BY MONTH

SEA TMP DEG F	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN	PCT
96+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
95/96	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
93/94	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
91/92	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
89/90	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
87/88	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
85/86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
83/84	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
81/82	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
79/80	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
77/78	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
75/76	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
73/74	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
71/72	9.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7	.9
69/70	6.8	18.2	5.8	2.0	2.0	.0	.0	.0	.0	.0	.0	.0	16	2.1
67/68	17.6	39.4	25.0	15.7	2.0	.0	.0	.0	.0	.0	.0	11.6	53	6.9
65/66	43.2	24.2	25.0	27.5	12.2	2.2	.0	.0	.0	.0	6.7	32.6	92	11.9
63/64	21.6	15.2	32.7	45.1	53.1	8.7	1.0	1.1	.0	1.3	11.7	39.5	118	15.3
61/62	1.4	3.0	7.7	7.8	8.2	23.9	3.0	1.1	1.0	10.1	41.7	14.0	69	8.9
59/60	.0	.0	3.8	2.0	18.4	50.0	40.6	8.0	5.2	27.6	31.7	2.3	130	16.8
57/58	.0	.0	.0	.0	4.1	8.7	30.7	34.5	32.0	31.6	8.3	.0	128	16.6
55/56	.0	.0	.0	.0	.0	6.5	21.8	48.3	46.4	20.3	.0	.0	128	16.6
53/54	.0	.0	.0	.0	.0	.0	1.0	6.9	14.4	6.3	.0	.0	26	3.4
51/52	.0	.0	.0	.0	.0	.0	2.0	.0	1.0	2.5	.0	.0	5	.6
49/50	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
47/48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
45/46	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
43/44	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
41/42	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
39/40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
37/38	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
35/36	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
33/34	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
31/32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
29/30	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
27/28	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
<27	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
TOTAL	74	33	52	51	49	46	101	87	97	79	60	43	772	100.0
MEAN	66.1	66.4	64.9	64.6	62.8	60.1	57.9	56.5	56.1	57.7	61.1	64.2	61.5	

TABLE 21

PRESSURE (MB)

AVERAGE BY HOUR (GMT)

MO	0000	0300	0600	0900	1200	1500	1800	2100	MEAN	TOTAL OBS
JAN	1018	1016	1017	1018	1020	1018	1019	1019	1018	54
FEB	1020		1017	1020	1019		1021	1021	1019	21
MAR	1017		1019	1018	1020		1018	1017	1018	37
APR	1018		1019	1015	1023		1018	1016	1018	40
MAY	1016		1017	1015	1012			1021	1017	19
JUN	1020		1023	1022	1013		1017	1020	1020	35
JUL	1024		1025	1019	1020		1022	1020	1020	81
AUG	1021		1018	1018	1021		1019	1018	1018	49
SEP	1020		1017	1019	1016		1023	1020	1019	57
OCT	1024		1020	1020	1020		1021	1020	1020	43
NOV	1018	1022	1018	1020	1016	1017	1019	1020	1019	47
DEC	1016	1017	1016	1020	1018	1017	1019	1018	1018	30
ANN	1019	1018	1019	1019	1018	1017	1020	1019	1019	513
OBS	61	5	80	132	44	8	55	128		

PERCENTILES

MO	MIN	1%	5%	25%	50%	75%	95%	99%	MAX
JAN	1013	1013	1013	1016	1018	1020	1023	1023	1024
FEB	1016	1016	1016	1017	1019	1021	1024	1024	1025
MAR	1012	1012	1012	1015	1017	1021	1025	1026	1027
APR	1009	1009	1010	1015	1019	1021	1023	1023	1024
MAY	1007	1007	1007	1015	1016	1022	1023	1023	1024
JUN	1001	1001	1006	1018	1021	1023	1030	1031	1032
JUL	1001	1001	1004	1017	1021	1025	1030	1034	1035
AUG	1004	1004	1007	1015	1020	1021	1025	1028	1029
SEP	1002	1002	1007	1016	1021	1022	1026	1029	1030
OCT	1008	1008	1010	1017	1020	1024	1028	1030	1031
NOV	1008	1008	1010	1015	1020	1022	1024	1024	1025
DEC	1010	1010	1012	1015	1018	1020	1022	1022	1023

JANUARY

PERIOD: (PRIMARY) 1948-1978
(OVER-ALL) 1861-1978

AREA 0023 NORFOLK ISLAND
28.9S 167.9E

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

	PRECIPITATION TYPE									OTHER WEATHER PHENOMENA						
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT Ob TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG	DUST BLWG SNOW	NO SIG WEA
N	.0	.0	30.8	.0	.0	.0	.0	30.8	.0	.0	.0	.0	.0	.0	.0	69.2
NE	.0	16.4	.0	.0	.0	.0	.0	12.1	15.2	.0	.0	.0	.0	.0	.0	72.7
E	2.5	2.5	.0	.0	.0	.0	.0	5.0	1.9	.0	.0	.0	.0	.0	.0	93.1
SE	.0	.0	.0	.0	.0	.0	1.9	1.9	1.9	.0	.0	.0	.0	.0	.0	96.3
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
NW	.0	16.0	.0	.0	.0	.0	.0	16.0	.0	.0	.0	.0	.0	.0	.0	84.0
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
TOT PCT	.7	2.1	.7	.0	.0	.0	.7	4.1	2.1	.0	.0	.0	.0	.0	.0	93.8
TOT OBS:	145															

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

	PRECIPITATION TYPE									OTHER WEATHER PHENOMENA						
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG	DUST BLWG SNOW	NO SIG WEA
00&03	.0	2.9	.0	.0	.0	.0	.0	2.9	.0	.0	.0	.0	.0	.0	.0	97.1
06&09	.0	4.9	2.4	.0	.0	.0	.0	7.3	.0	.0	.0	.0	.0	.0	.0	92.7
12&15	.0	.0	.0	.0	.0	.0	.0	.0	6.7	.0	.0	.0	.0	.0	.0	93.3
18&21	2.4	.0	.0	.0	.0	.0	2.4	4.8	2.4	.0	.0	.0	.0	.0	.0	92.9
TOT PCT	.7	2.0	.7	.0	.0	.0	.7	4.1	2.0	.0	.0	.0	.0	.0	.0	93.9
TOT OBS:	147															

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	WIND SPEED (KNOTS)									HOUR (GMT)							
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	.0	1.9	2.1	.0	.0	.0		4.0	11.6	2.1	.0	5.9	4.7	2.7	.0	2.0	12.5
NE	.6	3.4	1.6	.1	.0	.0		5.8	8.2	6.3	.0	.7	14.1	13.4	.0	2.7	1.8
E	1.2	7.3	14.1	3.6	.0	.0		26.2	13.8	26.4	.0	31.6	15.6	27.7	50.0	25.7	21.4
SE	.6	10.4	20.1	4.6	.0	.6		36.3	15.0	36.1	100.0	33.8	31.3	25.9	.0	46.6	42.9
S	.6	3.4	7.9	.0	.0	.0		11.9	12.9	14.6	.0	13.2	9.4	8.9	.0	14.2	7.1
SW	.6	2.2	1.2	.0	1.2	.0		5.2	14.0	5.6	.0	9.6	.0	7.1	25.0	.0	7.1
W	.4	1.8	2.7	.0	.0	.0		4.9	12.4	.0	.0	4.4	7.8	7.1	25.0	5.4	7.1
NW	.1	2.8	1.5	.0	.0	.0		4.5	8.9	6.3	.0	.7	10.9	7.1	.0	3.4	.0
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	1.2							1.2	.0	2.8	.0	.0	6.3	.0	.0	.0	.0
TOT OBS	9	56	86	14	2	1	168		13.3	36	1	34	16	28	2	37	14
TOT PCT	5.4	33.3	51.2	8.3	1.2	.6		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

	WIND SPEED (KNOTS)								HOUR (GMT)			
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	06 09	12 15	18 21
N	.0	3.6	.4	.0	.0		4.0	11.6	2.0	5.5	2.5	4.9
NE	3.1	2.4	.3	.0	.0		5.8	8.2	6.1	5.0	12.5	2.5
E	4.0	16.1	4.9	1.2	.0		26.2	13.8	25.7	26.5	29.2	24.5
SE	3.0	20.5	10.4	1.6	.6		36.3	15.0	37.8	33.0	24.2	45.6
S	1.2	7.7	3.0	.0	.0		11.9	12.9	14.2	12.0	8.3	12.3
SW	1.5	2.5	.0	1.2	.0		5.2	14.0	5.4	6.5	8.3	2.0
W	1.3	1.2	2.4	.0	.0		4.9	12.4	.0	5.5	8.3	5.9
NW	1.9	2.5	.0	.0	.0		4.5	8.9	6.1	4.0	6.7	2.5
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	1.2						1.2	.0	2.7	2.0	.0	.0
TOT OBS	29	95	36	7	1	168		13.3	37	50	30	51
TOT PCT	17.3	56.5	21.4	4.2	.6		100.0		100.0	100.0	100.0	100.0

PERIOD: (PRIMARY) 1948-1978
(OVER-ALL) 1861-1978

AREA 0023 NORFOLK ISLAND
28.9S 167.9E

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
				WIND SPEED (KNOTS)						
00&03	2.7	2.7	29.7	62.2	2.7	.0	.0	12.2	100.0	37
06&09	2.0	4.0	36.0	48.0	8.0	2.0	.0	12.9	100.0	50
12&15	.0	3.3	23.3	53.3	13.3	3.3	3.3	15.8	100.0	30
18&21	.0	5.9	39.2	45.1	9.8	.0	.0	13.0	100.0	51
TOT	2	7	56	86	14	2	1	13.3		168
PCT	1.2	4.2	33.3	51.2	8.3	1.2	.6		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	.0	1.8	.0	.0		4.0
NE	.2	.4	3.3	2.0		6.6
E	6.5	6.5	9.6	6.1		4.7
SE	7.7	11.2	8.7	11.4		4.9
S	1.8	4.9	4.5	1.6		4.5
SW	.8	.2	3.3	1.6		5.7
W	.0	.6	.0	.6		5.5
NW	.8	.4	1.6	1.0		5.4
VAR	.0	.0	.0	.0		.0
CALM	.0	.0	.8	.0		6.0
TOT OBS	22	32	39	30	123	4.9
TOT PCT	17.9	26.0	31.7	24.4	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT,NH >4/8) AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

WND DIR	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	TOTAL OBS
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.8	
NE	.0	.0	.8	1.8	.8	.0	.0	.0	.0	.0	2.4	
E	.0	.0	.0	4.9	2.2	1.0	.8	.0	.8	.0	18.9	
SE	.0	.0	.8	5.9	2.6	5.7	.0	.0	.0	.0	24.0	
S	.0	.0	.0	1.2	.8	1.4	.0	.0	.0	.0	9.3	
SW	.0	.0	.0	1.6	.8	.8	.0	.0	.0	.0	2.6	
W	.0	.0	.0	.6	.0	.0	.0	.0	.0	.0	.6	
NW	.0	.0	.0	.2	1.6	.0	.0	.0	.0	.0	2.0	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	
TOT OBS	0	0	2	20	11	11	1	0	1	0	77	123
TOT PCT	.0	.0	1.6	16.9	8.9	8.9	.8	.0	.8	.0	62.6	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) * OR >10	* OR >5	* OR >2	* OR >1	* OR >1/2	* OR >1/4	* OR >50YD	* OR >0
* OR >6500	.8	.8	.8	.8	.8	.8	.8	.8
* OR >5000	.8	.8	.8	.8	.8	.8	.8	.8
* OR >3500	.8	.8	.8	.8	.8	.8	.8	.8
* OR >2000	8.9	10.5	10.5	10.5	10.5	10.5	10.5	10.5
* OR >1000	16.9	19.4	19.4	19.4	19.4	19.4	19.4	19.4
* OR >600	31.5	34.7	35.5	35.5	35.5	35.5	35.5	35.5
* OR >300	33.1	36.3	37.1	37.1	37.1	37.1	37.1	37.1
* OR >150	33.1	36.3	37.1	37.1	37.1	37.1	37.1	37.1
* OR > 0	33.1	36.3	37.1	37.1	37.1	37.1	37.1	37.1
TOTAL	41	45	46	46	46	46	46	46

TOTAL NUMBER OF OBS: 124

PCT FREQ NH <5/8: 62.9

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8 OBSCD	TOTAL OBS
4.6	9.2	17.7	19.2	13.1	3.8	10.8	6.2	15.4	.0	130

JANUARY

PERIOD: (PRIMARY) 1948-1978
(OVER-ALL) 1861-1978

AREA 0023 NORFOLK ISLAND
28.9S 167.9E

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	PCP	.7	.0	.7	.0	.0	.0	.0	.0	.0	.0	1.4	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.7	.0	.7	.0	.0	.0	.0	.0	.0	.0	1.4	
5<10	PCP	.0	.0	.7	.7	.0	.0	.0	.7	.0	.0	2.1	
	NO PCP	.5	1.0	2.4	6.3	1.6	1.0	.7	1.0	.0	.7	15.3	
	TOT %	.5	1.0	3.1	6.9	1.6	1.0	.7	1.7	.0	.7	17.4	
10+	PCP	.0	.7	.0	.0	.0	.0	.0	.0	.0	.0	.7	
	NO PCP	1.0	4.0	23.1	30.6	11.1	5.0	2.4	2.6	.0	.7	80.6	
	TOT %	1.0	4.7	23.1	30.6	11.1	5.0	2.4	2.6	.0	.7	81.3	
	TOT OBS												144
	TOT PCT	2.3	5.7	26.9	37.5	12.7	6.1	3.1	4.3	.0	1.4	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.7	.0	.0	.0	.0	.0	.0		.7	
	11-21	.7	.0	.0	.0	.0	.0	.0	.0	.0		.7	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.7	.0	.7	.0	.0	.0	.0	.0	.0	.0	1.4	
5<10	0-3	.0	.0	.0	.7	.0	.7	.0	.0	.0	.7	2.1	
	4-10	.0	.7	.7	4.3	1.2	.3	.3	.7	.0		8.3	
	11-21	.5	.2	1.2	1.2	.3	.0	.3	1.0	.0		4.9	
	22+	.0	.2	1.2	.7	.0	.0	.0	.0	.0		2.1	
	TOT %	.5	1.0	3.1	6.9	1.6	1.0	.7	1.7	.0	.7	17.4	
10+	0-3	.0	.7	1.4	.0	.7	.0	.5	.2	.0	.7	4.2	
	4-10	1.0	2.4	5.4	5.9	2.3	2.3	.5	1.7	.0		21.5	
	11-21	.0	1.6	14.1	20.7	8.2	1.4	1.4	.7	.0		47.9	
	22+	.0	.0	2.3	4.0	.0	1.4	.0	.0	.0		7.6	
	TOT %	1.0	4.7	23.1	30.6	11.1	5.0	2.4	2.6	.0	.7	81.3	
	TOT OBS												144
	TOT PCT	2.3	5.7	26.9	37.5	12.7	6.1	3.1	4.3	.0	1.4	100.0	

JANUARY

PERIOD: (PRIMARY) 1948-1978
(OVER-ALL) 1861-1978

AREA 0023 NORFOLK ISLAND
29.0S 168.0E

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET,NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00&03	.0	.0	.0	14.7	17.6	8.8	.0	.0	2.9	.0	44.1	55.9	34
06&09	.0	.0	.0	9.1	3.0	3.0	.0	.0	.0	.0	15.2	84.8	33
12&15	.0	.0	3.4	17.2	6.9	13.8	.0	.0	.0	.0	41.4	58.6	29
18&21	.0	.0	2.9	20.6	5.9	11.8	2.9	.0	.0	.0	44.1	55.9	34
TOT	0	0	2	20	11	12	1	0	1	0	47	83	130
PCT	.0	.0	1.5	15.4	8.5	9.2	.8	.0	.8	.0	36.2	63.8	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00&03	.0	.0	.0	.0	5.9	94.1	34
06&09	.0	.0	.0	2.4	24.4	73.2	41
12&15	.0	.0	.0	.0	13.3	86.7	30
18&21	.0	.0	.0	2.4	22.0	75.6	41
TOT	0	0	0	2	25	119	146
PCT	.0	.0	.0	1.4	17.1	81.5	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET,NH >4/8),BY HOUR

HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL OBS
00&03	.0	.0	14.7	29.4	55.9	34
06&09	.0	.0	10.0	6.7	83.3	30
12&15	.0	3.6	21.4	21.4	57.1	28
18&21	.0	3.1	25.0	18.8	56.3	32
TOT	0	2	22	24	78	124
PCT	.0	1.6	17.7	19.4	62.9	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
90/94	.0	.8	.0	.0	.0	.0	.0	.0	1	.8
85/89	.0	.0	.0	.8	.0	.0	.0	.0	1	.8
75/79	.0	.0	.8	1.6	5.4	3.9	7.8	3.9	30	23.3
70/74	.0	.0	.0	3.9	7.0	18.6	20.2	17.1	86	66.7
65/69	.0	.0	.0	.0	2.3	1.6	3.9	.8	11	8.5
TOTAL	0	1	1	8	19	31	41	28	129	100.0
PCT	.0	.8	.8	6.2	14.7	24.0	31.8	21.7		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
.0	.0	.0	.0	.0	.0	.0	.0	.0	.8
.0	.0	.8	.0	.0	.0	.0	.0	.0	.0
.0	2.7	9.1	6.4	1.2	2.3	1.0	.6	.0	.0
1.2	3.7	18.8	23.3	9.5	2.3	3.1	4.1	.0	.8
.0	.0	.8	2.9	3.3	1.6	.0	.0	.0	.0
1.2	6.4	29.5	32.6	14.0	6.2	4.1	4.7	.0	1.6

TABLE 15

MEANS,EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00&03	92	91	79	74	69	69	69	74.3	37
06&09	86	85	79	73	68	68	68	73.3	50
12&15	77	76	75	72	68	66	66	72.0	30
18&21	78	77	77	71	68	66	66	71.7	51
TOT	92	86	77	73	68	66	66	72.8	168

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00&03	.0	12.9	25.8	25.8	22.6	12.9	73	31
06&09	.0	10.8	16.2	27.0	29.7	16.2	77	37
12&15	.0	.0	.0	25.0	45.8	29.2	85	24
18&21	.0	5.3	13.2	18.4	31.6	31.6	82	38
TOT	0	10	19	31	41	29	79	130

JANUARY

PERIOD: (PRIMARY) 1948-1976
(OVER-ALL) 1861-1976

AREA 0023 NORFOLK ISLAND
28.9S 167.9E

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	65 68	69 72	73 76	77 80	81 84	85 88	89 92	TOT	W FOG	WO FOG
17/19	.0	.0	.0	.0	.0	.0	.8	1	.0	.8
11/13	.0	.0	.0	.8	.0	.0	.0	1	.0	.8
9/10	.0	.0	.0	.0	.0	.8	.0	1	.0	.8
7/8	.0	.0	.0	.8	.0	.0	.0	1	.0	.8
3	.0	.8	1.7	.0	.0	.0	.0	3	.0	2.5
2	.0	.8	4.2	2.5	.0	.0	.0	9	.0	7.5
1	.0	1.7	6.7	1.7	.0	.0	.0	12	.0	10.0
0	.0	3.3	9.2	2.5	.0	.0	.0	18	.0	15.0
-1	.0	4.2	7.5	.0	.0	.0	.0	14	.0	11.7
-2	.0	11.7	.0	.8	.0	.0	.0	15	.0	12.5
-3	.8	5.8	5.8	.0	.0	.0	.0	15	.0	12.5
-4	.0	5.0	1.7	.0	.0	.0	.0	8	.0	6.7
-5	.0	2.5	.8	.0	.0	.0	.0	4	.0	3.3
-6	.0	1.7	1.7	1.7	.0	.0	.0	6	.0	5.0
-7/-8	.0	4.2	1.7	.0	.0	.0	.0	7	.0	5.8
-9/-10	2.5	.8	.0	.0	.0	.0	.0	4	.0	3.3
-11/-13	.0	.8	.0	.0	.0	.0	.0	1	.0	.8
TOTAL	4	52	49	13	0	1	1	120	0	120
PCT	3.3	43.3	40.8	10.8	.0	.8	.8	100.0		100.0

PERIOD: (OVER-ALL) 1963-1978

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.9	.0	.0	.0	.0	.9
3-4	.0	.0	.9	.0	.0	.0	.9
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.9	.9	.0	.0	.0	1.8

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	1.2	1.2	.0	.0	.0	.0	2.4
1-2	.0	3.0	.0	.0	.0	.0	3.0
3-4	.0	.0	.3	.0	.0	.0	.3
5-6	.0	.0	1.2	.0	.0	.0	1.2
7	.0	.0	.0	.3	.0	.0	.3
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.2	4.2	1.5	.3	.0	.0	7.1

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	1.2	.0	.0	.0	.0	1.2
1-2	1.2	3.0	4.5	.0	.0	.0	8.6
3-4	.0	3.6	6.0	.0	.0	.0	9.5
5-6	.0	.0	3.3	.0	.0	.0	3.3
7	.0	.0	4.5	1.8	.0	.0	6.3
8-9	.0	1.2	.0	.0	.0	.0	1.2
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.2	8.9	18.2	1.8	.0	.0	30.1

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	2.4	.0	.0	.0	.0	2.4
1-2	.0	1.8	2.7	.0	.0	.0	4.5
3-4	.0	3.6	8.9	.0	.0	.0	12.5
5-6	.0	2.4	10.4	.0	.0	.0	12.8
7	.0	.0	.3	2.7	.0	1.2	4.2
8-9	.0	.0	.0	1.2	.0	.0	1.2
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	1.2	.0	.0	1.2
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	10.1	22.3	5.1	.0	1.2	38.7

PERIOD: (OVER-ALL) 1963-1978

JANUARY

TABLE 18 (CONT)

AREA 0023 NORFOLK ISLAND
28.9S 167.9E

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

S

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	3.0	.0	.0	.0	.0	3.0
3-4	.0	.0	4.2	.0	.0	.0	4.2
5-6	.0	.0	1.8	.0	.0	.0	1.8
7	.0	.0	1.2	.0	.0	.0	1.2
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	3.0	7.1	.0	.0	.0	10.1

SW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	1.2	.0	.0	.0	.0	1.2
1-2	.0	2.7	.0	.0	.0	.0	2.7
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	1.2	.0	.0	.0	1.2
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	2.4	.0	2.4
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	3.9	1.2	.0	2.4	.0	7.4

W

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.9	.0	.0	.0	.0	.9
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.9	.0	.0	.0	.0	.9

NW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	.0	.0	.0	.0	.0	.0	.0	
1-2	.0	1.5	.0	.0	.0	.0	1.5	
3-4	.0	.0	.0	.0	.0	.0	.0	
5-6	.0	.0	1.2	.0	.0	.0	1.2	
7	.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.0	1.5	1.2	.0	.0	.0	2.7	98.8

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	2.4	6.0	.0	.0	.0	.0	8.3	
1-2	1.2	16.7	7.1	.0	.0	.0	25.0	
3-4	.0	7.1	20.2	.0	.0	.0	27.4	
5-6	.0	2.4	19.0	.0	.0	.0	21.4	
7	.0	.0	6.0	4.8	.0	1.2	11.9	
8-9	.0	1.2	.0	1.2	2.4	.0	4.8	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	1.2	.0	.0	1.2	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	3.6	33.3	52.4	7.1	2.4	1.2	100.0	84

PERIOD: (OVER-ALL) 1949-1978

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	.9	1.8	8.3	11.9	7.3	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	34	5
6-7	.0	.9	4.6	10.1	11.9	5.5	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	37	6
8-9	.0	.0	5.5	5.5	7.3	.9	1.8	.9	1.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	26	7
10-11	.0	.0	.0	.0	1.8	.9	.9	.0	.9	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	6	10
12-13	.0	.0	.0	.0	.9	.0	.0	.0	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2	10
>13	.0	.0	.0	.9	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2	6
INDET	.0	.0	.0	.0	.0	.9	.0	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2	10
TOTAL	1	3	20	31	33	10	4	2	4	1	0	0	0	0	0	0	0	0	0	109	6
PCT	.9	2.8	18.3	28.4	30.3	9.2	3.7	1.8	3.7	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

FEBRUARY

PERIOD: (PRIMARY) 1945-1978
(OVER-ALL) 1910-1978

AREA 0023 NORFOLK ISLAND
28.9S 167.9E

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG	DUST BLWG SNOW	NO SIG WEA
N	.0	.0	10.5	.0	.0	.0	.0	10.5	.0	.0	.0	.0	.0		.0	89.5
NE	10.0	.0	6.7	.0	.0	.0	.0	16.7	.0	.0	.0	.0	.0		.0	83.3
E	1.5	2.2	2.9	.0	.0	.0	.0	6.6	2.9	.0	.0	2.9	.0		.0	87.5
SE	.0	.6	2.4	.0	.0	.0	.0	3.0	.0	.0	.0	.0	.0		.0	97.0
S	.0	.0	.0	.0	.0	.0	.0	.0	10.5	.0	.0	.0	.0		.0	89.5
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	100.0
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	27.3	.0	.0		.0	72.7
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	9.1	.0	.0		.0	90.9
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	100.0
TOT PCT	1.6	.8	3.2	.0	.0	.0	.0	5.6	1.6	.0	.8	.8	.0		.0	91.1
TOT OBS:	124															

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG	DUST BLWG SNOW	NO SIG WEA
00&03	.0	.0	8.0	.0	.0	.0	.0	8.0	.0	.0	.0	.0	.0		.0	92.0
06&09	.0	.0	3.1	.0	.0	.0	.0	3.1	.0	.0	.0	.0	.0		.0	96.9
12&15	3.8	3.8	3.8	.0	.0	.0	.0	11.5	.0	.0	.0	.0	.0		.0	88.5
18&21	2.4	.0	.0	.0	.0	.0	.0	2.4	4.8	.0	2.4	2.4	.0		.0	88.1
TOT PCT	1.6	.8	3.2	.0	.0	.0	.0	5.6	1.6	.0	.8	.8	.0		.0	91.2
TOT OBS:	125															

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	WIND SPEED (KNOTS)									HOUR (GMT)							
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	2.4	.6	3.2	.5	.0	.0		6.8	10.6	3.4	.0	13.1	5.6	7.3	.0	.0	13.5
NE	2.1	4.2	3.7	.2	.3	.0		10.5	10.4	8.6	.0	1.2	7.3	10.4	.0	25.0	11.5
E	1.9	8.7	16.6	1.0	.3	.0		28.5	12.3	34.5	.0	35.7	25.0	22.9	.0	35.4	20.8
SE	.6	6.9	24.5	2.9	.6	.0		35.6	15.3	44.0	.0	45.2	36.3	34.4	50.0	27.1	25.0
S	.0	4.0	2.1	.0	.0	.0		6.1	9.3	9.5	.0	3.6	1.6	4.2	50.0	8.3	6.3
SW	1.3	2.7	2.9	.0	.0	.0		6.9	8.6	.0	.0	.0	17.7	8.3	.0	.0	13.5
W	.3	1.5	.5	.0	.0	.0		2.3	8.0	.0	.0	.0	4.0	.0	.0	3.1	6.3
NW	.3	.3	.6	.6	.0	.0		1.9	14.7	.0	.0	1.2	2.4	4.2	.0	1.0	3.1
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	1.3							1.3	.0	.0	.0	.0	.0	8.3	.0	.0	.0
TOT OBS	16	45	84	8	2	0	155		12.4	29	0	21	31	24	2	24	24
TOT PCT	10.3	29.0	54.2	5.2	1.3	.0		100.0		100.0	.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

	WIND SPEED (KNOTS)								HOUR (GMT)			
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	06 09	12 15	18 21
N	2.4	3.2	.6	.5	.0		6.8	10.6	3.4	8.7	6.7	6.8
NE	3.4	6.0	.6	.5	.0		10.5	10.4	8.6	4.8	9.6	18.2
E	3.9	18.7	5.6	.3	.0		28.5	12.3	34.5	29.3	21.2	28.1
SE	1.6	19.7	12.4	1.3	.6		35.6	15.3	44.0	39.9	35.6	26.0
S	2.9	2.6	.6	.0	.0		6.1	9.3	9.5	2.4	7.7	7.3
SW	1.9	5.0	.0	.0	.0		6.9	8.6	.0	10.6	7.7	6.8
W	.8	1.5	.0	.0	.0		2.3	8.0	.0	2.4	.0	4.7
NW	.5	.8	.6	.0	.0		1.9	14.7	.0	1.9	3.8	2.1
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	1.3						1.3	.0	.0	.0	7.7	.0
TOT OBS	29	89	32	4	1	155		12.4	29	52	26	48
TOT PCT	18.7	57.4	20.6	2.6	.6		100.0		100.0	100.0	100.0	100.0

PERIOD: (PRIMARY) 1945-1978
(OVER-ALL) 1910-1978

AREA 0023 NORFOLK ISLAND
28.9S 167.9E

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
				WIND SPEED (KNOTS)						
00&03	.0	.0	17.2	72.4	6.9	3.4	.0	15.8	100.0	29
06&09	.0	15.4	34.6	44.2	5.8	.0	.0	11.6	100.0	52
12&15	7.7	11.5	19.2	50.0	11.5	.0	.0	11.8	100.0	26
18&21	.0	6.3	35.4	56.3	.0	2.1	.0	11.5	100.0	48
TOT	2	14	45	84	8	2	0	12.4		155
PCT	1.3	9.0	29.0	54.2	5.2	1.3	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	1.2	.0	3.5	.9		5.0
NE	2.9	.0	5.8	2.6		5.5
E	7.8	7.3	9.9	4.1		4.6
SE	5.5	8.1	13.7	9.6		5.2
S	3.5	2.0	2.0	1.2		3.4
SW	.0	.0	1.2	2.3		7.6
W	.0	.0	.0	.9		8.0
NW	.0	.0	1.2	.6		6.6
VAR	.0	.0	.0	.0		.0
CALM	1.2	.0	1.2	.0		3.0
TOT OBS	19	15	33	19	86	5.0
TOT PCT	22.1	17.4	38.4	22.1	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT,NH >4/8) AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

WND DIR	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	TOTAL OBS
N	.0	.0	.0	1.2	.9	.0	.0	.0	.0	.0	3.5	
NE	.0	1.2	1.2	.0	1.5	1.2	.0	.0	.0	.0	6.4	
E	.0	1.2	2.0	.0	6.7	1.7	.0	.0	.0	.0	17.4	
SE	.0	.0	.3	5.8	3.5	4.1	3.5	1.2	.0	.0	18.6	
S	.0	.0	.0	1.2	1.2	.0	.0	.0	.0	.0	6.4	
SW	.0	.0	.0	3.5	.0	.0	.0	.0	.0	.0	.0	
W	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
NW	.3	.0	.0	1.2	.3	.0	.0	.0	.0	.0	.0	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.0	.0	1.2	.0	.0	.0	.0	.0	.0	1.2	
TOT OBS	1	2	3	12	12	6	3	1	0	0	46	86
TOT PCT	1.2	2.3	3.5	14.0	14.0	7.0	3.5	1.2	.0	.0	53.5	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) * OR >10	* OR >5	* OR >2	* OR >1	* OR >1/2	* OR >1/4	* OR >50YD	* OR >0
* OR >6500	.0	.0	.0	.0	.0	.0	.0	.0
* OR >5000	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
* OR >3500	3.4	4.6	4.6	4.6	4.6	4.6	4.6	4.6
* OR >2000	9.2	11.5	11.5	11.5	11.5	11.5	11.5	11.5
* OR >1000	20.7	24.1	25.3	25.3	25.3	25.3	25.3	25.3
* OR >600	34.5	37.9	39.1	39.1	39.1	39.1	39.1	39.1
* OR >300	35.6	39.1	42.5	42.5	42.5	42.5	42.5	42.5
* OR >150	35.6	40.2	44.8	44.8	44.8	44.8	44.8	44.8
* OR > 0	35.6	40.2	44.8	44.8	44.8	46.0	46.0	46.0
TOTAL	31	35	39	39	39	40	40	40

TOTAL NUMBER OF OBS: 87

PCT FREQ NH <5/8: 54.0

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	OBSCD	TOTAL OBS
3.4	9.2	17.2	14.9	9.2	11.5	6.9	11.5	14.9	1.1	87

FEBRUARY

PERIOD: (PRIMARY) 1945-1978
(OVER-ALL) 1910-1978

AREA 0023, NORFOLK ISLAND
28.9S 167.9E

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.6	.2	.0	.0	.8	
	TOT %	.0	.0	.0	.0	.0	.0	.6	.2	.0	.0	.8	
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.6	.2	.0	.0	.0	.0	.0	.0	.0	.0	.8	
	TOT %	.6	.2	.0	.0	.0	.0	.0	.0	.0	.0	.8	
1<2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	PCP	.0	1.2	1.2	.0	.0	.0	.0	.0	.0	.0	2.4	
	NO PCP	.0	.0	.8	.8	.8	.0	.0	.0	.0	.0	2.4	
	TOT %	.0	1.2	2.0	.8	.8	.0	.0	.0	.0	.0	4.8	
5<10	PCP	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.8	
	NO PCP	1.8	1.0	7.3	7.3	.4	1.2	1.0	1.0	.0	.0	21.0	
	TOT %	1.8	1.8	7.3	7.3	.4	1.2	1.0	1.0	.0	.0	21.8	
10+	PCP	.8	.0	.6	1.0	.0	.0	.0	.0	.0	.0	2.4	
	NO PCP	4.4	8.9	17.5	24.6	6.5	4.2	.6	1.0	.0	1.6	69.4	
	TOT %	5.2	8.9	18.1	25.6	6.5	4.2	.6	1.0	.0	1.6	71.8	
	TOT OBS												124
	TOT PCT	7.7	12.1	27.4	33.7	7.7	5.4	2.2	2.2	.0	1.6	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.6	.2	.0		.8	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.6	.2	.0	.0	.8	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.8	.0	.0	.0		.8	
	22+	.6	.2	.0	.0	.0	.0	.0	.0	.0		.8	
	TOT %	.6	.2	.0	.0	.0	.8	.0	.0	.0	.0	1.5	
1<2	0-3	.0	.0	.0	.8	.0	.0	.0	.0	.0	.0	.8	
	4-10	.0	.8	1.3	1.7	.0	.8	.6	.2	.0		5.3	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.8	1.3	2.4	.0	.8	.6	.2	.0	.0	6.0	
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.8	1.5	.0	.8	.0	.0	.0	.0		3.0	
	22+	.0	.4	.4	.8	.0	.0	.0	.0	.0		1.5	
	TOT %	.0	1.1	1.9	.8	.8	.0	.0	.0	.0	.0	4.5	
5<10	0-3	.8	.0	.0	.0	.0	.0	.4	.4	.0	.0	1.5	
	4-10	.0	.8	3.4	2.6	.0	.8	.0	.0	.0		7.5	
	11-21	.9	.9	3.4	4.1	.4	.4	.6	.6	.0		11.3	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	1.7	1.7	6.8	6.8	.4	1.1	.9	.9	.0	.0	20.3	
10+	0-3	2.1	2.4	.8	.0	.0	.8	.0	.0	.0	1.5	7.5	
	4-10	.8	3.4	4.7	2.3	4.7	1.7	.6	.0	.0		18.0	
	11-21	2.1	2.4	10.3	20.5	1.3	1.5	.0	.2	.0		38.3	
	22+	.0	.0	1.1	1.1	.0	.0	.0	.8	.0		3.0	
	TOT %	4.9	8.3	16.9	23.9	6.0	3.9	.6	.9	.0	1.5	66.9	
	TOT OBS												133
	TOT PCT	7.1	12.0	26.9	33.8	7.1	6.6	2.6	2.3	.0	1.5	100.0	

FEBRUARY

PERIOD: (PRIMARY) 1945-1978
(OVER-ALL) 1910-1978

AREA 0023 NORFOLK ISLAND
29.0S 167.9E

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET,NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00&03	.0	.0	8.3	8.3	12.5	12.5	4.2	.0	.0	.0	45.8	54.2	24
06&09	.0	5.9	.0	5.9	17.6	11.8	5.9	.0	.0	.0	47.1	52.9	17
12&15	.0	4.2	.0	20.8	12.5	4.2	4.2	4.2	.0	.0	50.0	50.0	24
18&21	4.5	.0	4.5	18.2	13.6	.0	.0	.0	.0	.0	40.9	59.1	22
TOT	1	2	3	12	12	6	3	1	0	0	40	47	87
PCT	1.1	2.3	3.4	13.8	13.8	6.9	3.4	1.1	.0	.0	46.0	54.0	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00&03	.0	.0	.0	8.0	.0	92.0	25
06&09	.0	4.9	19.5	2.4	34.1	39.0	41
12&15	.0	.0	.0	.0	15.4	84.6	26
18&21	2.4	.0	.0	7.1	21.4	69.0	42
TOT	1	4	8	6	27	90	134
PCT	.7	1.5	6.0	4.5	20.1	67.2	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET,NH >4/8),BY HOUR

HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL OBS
00&03	.0	8.3	20.8	29.2	50.0	24
06&09	.0	5.9	11.8	35.3	52.9	17
12&15	.0	4.2	25.0	25.0	50.0	24
18&21	4.5	9.1	31.8	9.1	59.1	22
TOT	1	6	20	21	46	87
PCT	1.1	6.9	23.0	24.1	52.9	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
80/84	.0	.0	.0	.0	1.5	1.5	.0	.0	4	3.0
75/79	.0	.0	.0	.8	3.0	11.4	11.4	9.8	48	36.4
70/74	.0	.0	.0	.0	9.8	14.4	16.7	19.7	80	60.6
TOTAL	0	0	0	1	19	36	37	39	132	100.0
PCT	.0	.0	.0	.8	14.4	27.3	28.0	29.5		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
.8	.0	1.9	.4	.0	.0	.0	.0	.0	.0
4.4	4.9	11.9	8.3	3.2	.8	.9	1.1	.0	.8
1.3	6.3	17.2	25.4	1.7	5.1	1.7	1.1	.0	.8
6.4	11.2	31.1	34.1	4.9	5.9	2.7	2.3	.0	1.5

TABLE 15

MEANS,EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00&03	84	83	82	76	71	70	70	76.1	29
06&09	81	80	79	74	71	70	70	74.0	52
12&15	78	77	76	73	70	70	70	73.0	27
18&21	82	81	77	73	70	69	69	73.6	47
TOT	84	82	79	74	70	70	69	74.1	155

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00&03	.0	.0	15.4	42.3	30.8	11.5	78	26
06&09	.0	2.2	20.0	24.4	28.9	24.4	80	45
12&15	.0	.0	8.3	20.8	41.7	29.2	83	24
18&21	.0	.0	10.5	26.3	15.8	47.4	85	38
TOT	0	1	19	37	37	39	82	133

FEBRUARY

PERIOD: (MAXIMA) 1945-1978
(OVER-ALL) 1910-1978

TABLE 17

AREA 0023 NORFOLK ISLAND
28.9S 167.9E

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	69 72	73 76	77 80	81 84	TOT	W FOG	WO FOG
11/13	.0	.0	1.2	.0	1	.0	1.2
9/10	.0	.0	1.2	.0	1	.0	1.2
7/8	.0	.0	.0	1.2	1	.0	1.2
6	.0	.0	1.2	1.2	2	.0	2.4
5	.0	.0	.0	2.4	2	.0	2.4
4	.0	2.4	2.4	.0	4	.0	4.9
3	.0	2.4	1.2	.0	3	.0	3.7
2	.0	1.2	6.1	.0	6	1.2	6.1
1	.0	7.3	.0	.0	6	.0	7.3
0	1.2	12.2	3.7	.0	14	.0	17.1
-1	2.4	14.6	.0	.0	14	.0	17.1
-2	4.9	4.9	.0	.0	8	.0	9.8
-3	3.7	4.9	2.4	.0	9	.0	11.0
-4	3.7	.0	.0	.0	3	.0	3.7
-5	3.7	3.7	.0	.0	6	.0	7.3
-6	1.2	.0	.0	.0	1	.0	1.2
-7/-8	1.2	.0	.0	.0	1	.0	1.2
TOTAL	18	44	16	4	82	1	81
PCT	22.0	53.7	19.5	4.9	100.0	1.2	98.8

PERIOD: (OVER-ALL) 1963-1978

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	1.8	.0	.0	.0	.0	.0	1.8
3-4	.0	.0	3.1	.0	.0	.0	3.1
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.8	.0	3.1	.0	.0	.0	4.8

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	3.9	.0	.0	.0	.0	3.9
3-4	.0	.4	2.6	.0	.0	.0	3.1
5-6	.0	.0	1.8	.0	.0	.0	1.8
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	4.4	4.4	.0	.0	.0	8.8

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	1.8	.0	.0	.0	.0	1.8
1-2	.0	3.1	3.5	.0	.0	.0	6.6
3-4	.0	1.3	8.3	1.3	.0	0.0	11.0
5-6	.0	1.8	8.8	1.3	.0	.0	11.8
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	1.3	.0	.0	.0	1.3
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	7.9	21.9	2.6	.0	.0	32.5

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	1.8	.0	.0	.0	.0	1.8
1-2	.0	.9	3.5	.0	.0	.0	4.4
3-4	.0	.0	8.3	.4	.0	.0	8.8
5-6	.0	.0	10.5	.4	.0	.0	11.0
7	.0	.0	3.5	.0	.0	.0	3.5
8-9	.0	.0	2.2	.0	.0	.0	2.2
10-11	.0	.0	.0	1.8	1.8	.0	3.5
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	2.6	28.1	2.6	1.8	.0	35.1

PERIOD: (OVER-ALL) 1963-1978

FEBRUARY

TABLE 18 (CONT)

AREA 0023 NORFOLK ISLAND 28.9S 167.9E

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

S

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	6.1	1.8	.0	.0	.0	7.9
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	1.8	.0	.0	.0	1.8
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	6.1	3.5	.0	.0	.0	9.6

SW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	1.8	1.8	.0	.0	.0	3.5
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	1.8	1.8	.0	.0	.0	3.5

W

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	1.3	.0	.0	.0	.0	1.3
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	1.3	.0	.0	.0	.0	1.3

NW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.4	.0	.0	.0	.0	.4
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.4	.0	.0	.0	.4
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	1.8	.0	.0	1.8
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.4	.4	1.8	.0	.0	2.6

HGT	TOTAL PCT
<1	.4
1-2	.0
3-4	.4
5-6	.0
7	.0
8-9	1.8
10-11	.0
12	.0
13-16	.0
17-19	.0
20-22	.0
23-25	.0
26-32	.0
33-40	.0
41-48	.0
49-60	.0
61-70	.0
71-86	.0
87+	.0
TOT PCT	98.2

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	1.8	5.3	.0	.0	.0	.0	7.0	
1-2	1.8	15.8	10.5	.0	.0	.0	28.1	
3-4	.0	1.8	22.8	1.8	.0	.0	26.3	
5-6	.0	1.8	21.1	1.8	.0	.0	24.6	
7	.0	.0	3.5	.0	.0	.0	3.5	
8-9	.0	.0	3.5	1.8	.0	.0	5.3	
10-11	.0	.0	1.8	1.8	1.8	.0	5.3	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	3.5	24.6	63.2	7.0	1.8	.0	100.0	57

PERIOD: (OVER-ALL) 1951-1978

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	1.4	5.6	4.2	5.6	1.4	1.4	1.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	15	4
6-7	.0	.0	11.1	12.5	12.5	6.9	2.8	1.4	1.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	35	6
8-9	.0	.0	.0	2.8	2.8	1.4	1.4	.0	1.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7	8
10-11	.0	1.4	.0	.0	4.2	1.4	1.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6	7
12-13	.0	.0	2.8	1.4	.0	1.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4	5
>13	.0	.0	.0	1.4	1.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2	6
INDET	.0	1.4	.0	1.4	.0	.0	.0	.0	1.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3	7
TOTAL	1	6	13	18	16	9	5	1	3	0	0	0	0	0	0	0	0	0	0	72	6
PCT	1.4	8.3	18.1	25.0	22.2	12.5	6.9	1.4	4.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

MARCH

PERIOD: (PRIMARY) 1944-1977
(OVER-ALL) 1882-1977

AREA 0023 NORFOLK ISLAND
29.0S 167.9E

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG W/O PCPN	FOG W/ PCPN PAST HR	SMOKE HAZE	SPRAY BLWG	DUST BLWG SNOW	NO SIG WEA
N	7.5	.0	.0	.0	.0	.0	.0	7.5	.0	.0	.0	.0	5.7		.0	86.8
NE	2.0	.0	.0	.0	.0	.0	.0	2.0	16.0	.0	.0	.0	2.0		.0	80.0
E	1.7	4.3	2.3	.0	.0	.0	.0	6.2	.0	.0	.0	.0	.0		.0	93.8
SE	.0	3.8	.0	.0	.0	.0	.0	5.8	.7	.0	.0	.0	.0		.0	93.5
S	.0	4.3	.0	.0	.0	.0	.0	4.3	10.1	.0	.0	.0	.0		.0	85.5
SW	.0	3.7	.0	.0	.0	.0	.0	3.7	.0	.0	.0	.0	14.8		.0	81.5
W	.0	.0	18.2	.0	.0	.0	.0	18.2	.0	.0	.0	.0	.0		.0	81.8
NW	.0	.0	.0	.0	.0	.0	.0	.0	36.4	.0	.0	.0	.0		.0	63.6
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0
TOT PCT	1.5	2.9	1.5	.0	.0	.0	.0	5.8	3.6	.0	.0	.0	1.5		.0	89.1
TOT OBS:	137															

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG W/O PCPN	FOG W/ PCPN PAST HR	SMOKE HAZE	SPRAY BLWG	DUST BLWG SNOW	NO SIG WEA
00&03	.0	.0	3.3	.0	.0	.0	.0	3.3	.0	.0	.0	.0	.0		.0	96.7
06&09	2.6	5.1	.0	.0	.0	.0	.0	7.7	2.6	.0	.0	.0	2.6		.0	87.2
12&15	.0	.0	.0	.0	.0	.0	.0	.0	10.0	.0	.0	.0	.0		.0	90.0
18&21	2.0	4.0	2.0	.0	.0	.0	.0	8.0	4.0	.0	.0	.0	2.0		.0	86.0
TOT PCT	1.4	2.9	1.4	.0	.0	.0	.0	5.8	3.6	.0	.0	.0	1.4		.0	89.2
TOT OBS:	139															

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	WIND SPEED (KNOTS)									HOUR (GMT)							
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	.0	6.1	2.4	.0	.0	.0		8.5	9.7	3.6	.0	.0	9.0	4.3	.0	10.6	19.4
NE	.0	4.6	3.1	.9	.0	.0		8.6	12.3	16.1	.0	7.9	3.8	16.3	.0	12.5	.0
E	1.2	8.2	18.6	6.0	.6	.0		34.5	15.0	35.7	100.0	42.1	32.7	33.7	.0	26.0	37.9
SE	1.2	8.6	9.2	6.8	.0	.0		25.9	15.5	31.3	.0	23.7	28.8	29.3	.0	22.1	21.0
S	.0	4.8	5.1	1.8	.0	.0		11.6	14.3	9.8	.0	10.5	16.0	9.8	50.0	11.5	8.9
SW	.0	1.3	2.8	.6	.0	.0		4.8	13.4	.0	.0	5.3	5.8	2.2	50.0	6.7	6.5
W	.0	1.6	1.6	.6	.0	.0		3.9	12.2	2.7	.0	.0	2.6	4.3	.0	6.7	6.5
NW	.0	.4	1.2	.6	.0	.0		2.2	17.0	.9	.0	10.5	1.3	.0	.0	3.8	.0
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0							.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT OBS	4	60	74	29	1	0	168		14.2	28	1	19	39	23	1	26	31
TOT PCT	2.4	35.7	44.0	17.3	.6	.0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

	WIND SPEED (KNOTS)								HOUR (GMT)			
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	06 09	12 15	18 21
N	1.8	6.1	.6	.0	.0		8.5	9.7	3.4	6.0	4.2	15.4
NE	1.2	5.2	1.5	.7	.0		8.6	12.3	15.5	5.2	15.6	5.7
E	3.0	20.5	10.0	1.0	.0		34.5	15.0	37.9	35.8	32.3	32.5
SE	4.2	10.6	8.2	3.0	.0		25.9	15.5	30.2	27.2	28.1	21.5
S	.6	7.1	3.6	.3	.0		11.6	14.3	9.5	14.2	11.5	10.1
SW	.6	3.1	.7	.3	.0		4.8	13.4	.0	5.6	4.2	6.6
W	1.0	1.8	1.0	.0	.0		3.9	12.2	2.6	1.7	4.2	6.6
NW	.1	.9	1.2	.0	.0		2.2	17.0	.9	4.3	.0	1.8
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	.0						.0	.0	.0	.0	.0	.0
TOT OBS	21	93	45	9	0	168		14.2	29	58	24	57
TOT PCT	12.5	55.4	26.8	5.4	.0		100.0		100.0	100.0	100.0	100.0

PERIOD: (PRIMARY) 1944-1977
(OVER-ALL) 1882-1977

AREA 0033 NORFOLK ISLAND
29.0S 167.9E

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS) 1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00-03	.0	10.3	24.1	48.3	17.2	.0	.0	14.4	100.0	29
06-09	.0	.0	39.7	44.8	13.8	1.7	.0	14.2	100.0	58
12-15	.0	.0	16.7	58.3	25.0	.0	.0	17.1	100.0	24
18-21	.0	1.8	45.6	35.1	17.5	.0	.0	13.0	100.0	57
TOT	0	4	60	74	29	1	0	14.2		168
PCT	.0	2.4	35.7	44.0	17.3	.6	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	1.1	1.9	2.1	.0		3.8
NE	5.3	3.2	3.5	1.9		3.8
E	5.9	14.4	8.0	6.6		4.7
SE	1.0	10.9	6.6	4.8		4.9
S	1.0	6.1	1.9	2.7		4.5
SW	1.6	1.9	.5	.0		2.8
W	1.1	.0	2.7	.0		4.8
NW	.0	1.1	1.3	.0		5.0
VAR	.0	.0	.0	.0		.0
CALM	.0	.0	.0	.0		.0
TOT OBS	17	37	25	15	94	4.5
TOT PCT	18.1	39.4	26.6	16.0	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT,NH >4/8) AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

WND DIR	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	TOTAL OBS
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.1	
NE	1.1	.0	.3	1.3	.5	.0	.0	.0	.0	.0	10.6	
E	1.1	.0	1.9	2.9	4.8	.8	.0	.0	.0	.0	23.4	
SE	.0	.0	.0	4.3	2.4	.3	1.1	.0	.0	.0	16.0	
S	.0	.0	.0	1.9	1.9	.0	.0	.0	.0	.0	8.5	
SW	.0	.0	.0	.3	.3	.0	.0	.0	.0	.0	3.5	
W	.0	.0	.0	1.1	1.6	.0	.0	.0	.0	.0	1.1	
NW	.0	.0	.0	1.1	.3	.0	.0	.0	.0	.0	1.1	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT OBS	2	0	2	12	11	1	1	0	0	0	65	94
TOT PCT	2.1	.0	2.1	12.8	11.7	1.1	1.1	.0	.0	.0	69.1	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) = OR >10	= OR >5	= OR >2	= OR >1	= OR >1/2	= OR >1/4	= OR >50YD	= OR >0
= OR >6500	.0	.0	.0	.0	.0	.0	.0	.0
= OR >5000	.0	.0	.0	.0	.0	.0	.0	.0
= OR >3500	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
= OR >2000	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
= OR >1000	11.7	12.8	13.8	13.8	13.8	13.8	13.8	13.8
= OR >600	20.2	24.5	25.5	25.5	25.5	25.5	25.5	25.5
= OR >300	21.3	26.6	27.7	27.7	27.7	27.7	27.7	27.7
= OR >150	21.3	26.6	27.7	27.7	27.7	27.7	27.7	27.7
= OR > 0	21.3	26.6	27.7	28.7	28.7	28.7	29.8	29.8
TOTAL	20	25	26	27	27	27	28	28

TOTAL NUMBER OF OBS: 94 PCT FREQ NH <5/8: 70.2

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8 OBSCD	TOTAL OBS
4.2	8.3	17.7	19.8	18.8	8.3	4.2	6.3	10.4	2.1	96

MARCH

PERIOD: (PRIMARY) 1944-1977
(OVER-ALL) 1882-1977

AREA 0023 NORFOLK ISLAND
28.9S 167.9E

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	PCP	.0	.0	.0	.0	.0	.0	.7	.0	.0	.0	.7	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.7	.0	.0	.0	.7	
2<5	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.7	.0	2.9	1.5	.0	.7	.0	.0	.0	.0	5.8	
	TOT %	.7	.0	2.9	1.5	.0	.7	.0	.0	.0	.0	5.8	
5<10	PCP	.7	.0	.7	1.5	.5	.2	.0	.0	.0	.0	3.6	
	NO PCP	1.8	1.3	6.4	6.9	5.1	1.5	.0	.4	.0	.0	23.4	
	TOT %	2.6	1.3	7.1	8.4	5.7	1.6	.0	.4	.0	.0	27.0	
10+	PCP	.0	.2	1.3	.0	.0	.0	.0	.0	.0	.0	1.5	
	NO PCP	6.4	7.7	21.0	15.5	6.9	2.6	3.3	1.6	.0	.0	65.0	
	TOT %	6.4	7.8	22.3	15.5	6.9	2.6	3.3	1.6	.0	.0	66.4	
	TOT OBS												137
	TOT PCT	9.7	9.1	32.3	25.4	12.6	4.9	4.0	2.0	.0	.0	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	1.3	.0	.0	.0	.0	.0		1.3	
	11-21	.0	.0	.0	.0	.0	.7	.0	.0	.0		.7	
	22+	.0	.0	.7	.0	.0	.0	.0	.0	.0		.7	
	TOT %	.0	.0	.7	1.3	.0	.7	.0	.0	.0	.0	2.6	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.7	.7	.0	.0	.0	.0	.0		1.3	
	11-21	.7	.7	.7	.0	.0	.0	.0	.0	.0		2.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.7	.7	1.3	.7	.0	.0	.0	.0	.0	.0	3.3	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.7	.8	.5	.0	.7	.0	.0		2.6	
	11-21	.0	.0	.0	.2	.5	.0	.0	.0	.0		.7	
	22+	.0	.7	.0	.0	.0	.0	.7	.0	.0		1.3	
	TOT %	.0	.7	.7	1.0	1.0	.0	1.3	.0	.0	.0	4.6	
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.7	.7	.0	.7	.0	.0	.0		2.0	
	11-21	.7	.0	1.3	.0	.0	.0	.0	.0	.0		2.0	
	22+	.0	.0	.7	.7	.0	.0	.0	.0	.0		1.3	
	TOT %	.7	.0	2.6	1.3	.0	.7	.0	.0	.0	.0	5.2	
5<10	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	1.6	1.0	.7	1.6	2.5	.2	.0	.3	.0		7.8	
	11-21	.7	.2	5.1	2.0	.7	.7	.0	.0	.0		9.2	
	22+	.0	.0	1.3	3.9	2.0	.7	.0	.0	.0		7.8	
	TOT %	2.3	1.1	7.0	7.5	5.1	1.5	.0	.3	.0	.0	24.8	
10+	0-3	.0	.0	1.3	1.3	.0	.0	.0	.0	.0	.0	2.6	
	4-10	5.1	4.1	5.4	3.4	2.3	.7	1.1	.2	.0		22.2	
	11-21	.7	2.6	10.5	6.4	3.9	1.6	1.8	.7	.0		28.1	
	22+	.0	.3	2.8	2.8	.0	.0	.0	.7	.0		6.5	
	TOT %	5.7	7.0	19.9	13.9	6.2	2.3	2.9	1.5	.0	.0	59.5	
	TOT OBS												153
	TOT PCT	9.3	9.5	32.2	25.7	12.3	5.1	4.2	1.8	.0	.0	100.0	

MARCH

PERIOD: (PRIMARY) 1944-1977
(OVER-ALL) 1882-1977

AREA 0023 NORFOLK ISLAND
29.9S 167.9E

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET,NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00&03	.0	.0	3.4	10.3	6.9	.0	.0	.0	.0	.0	20.7	79.3	29
06&09	5.0	.0	.0	15.0	10.0	5.0	5.0	.0	.0	.0	40.0	60.0	20
12&15	4.5	.0	4.5	13.6	22.7	.0	.0	.0	.0	.0	45.5	54.5	22
18&21	.0	.0	.0	12.5	8.3	.0	.0	.0	.0	.0	20.8	79.2	24
TOT	2	0	2	12	11	1	1	0	0	0	29	66	95
PCT	2.1	.0	2.1	12.6	11.6	1.1	1.1	.0	.0	.0	30.5	69.5	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00&03	.0	.0	.0	3.3	3.3	93.3	30
06&09	7.5	9.4	9.4	11.3	30.2	32.1	53
12&15	.0	.0	4.5	4.5	27.3	63.6	22
18&21	.0	.0	2.0	.0	30.0	68.0	50
TOT	4	5	7	8	38	93	155
PCT	2.6	3.2	4.5	5.2	24.5	60.0	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET,NH >4/8),BY HOUR

HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL OBS
00&03	.0	3.4	17.2	6.9	75.9	29
06&09	5.0	5.0	25.0	20.0	55.0	20
12&15	4.5	9.1	27.3	18.2	54.5	22
18&21	.0	.0	8.7	8.7	82.6	23
TOT	2	4	18	12	64	94
PCT	2.1	4.3	19.1	12.8	68.1	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
80/84	.0	.0	.0	.0	.7	.0	.7	.0	2	1.4
75/79	.0	.0	.7	.0	2.1	5.6	12.7	6.5	42	29.6
70/74	.0	.0	.0	2.1	9.9	14.1	21.8	15.5	90	63.4
65/69	.0	.0	.0	.0	.0	2.8	1.4	1.4	8	5.6
TOTAL	0	0	1	3	18	32	52	36	142	100.0
PCT	.0	.0	.7	2.1	12.7	22.5	36.6	25.4		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
.0	.0	.7	.2	.5	.0	.0	.0	.0	.0
4.8	6.3	8.5	3.7	2.1	2.1	1.9	.2	.0	.0
5.3	3.2	24.6	18.0	6.3	3.0	2.6	.4	.0	.0
.0	.0	1.8	3.2	.0	.0	.0	.7	.0	.0
10.0	9.5	35.6	25.0	9.0	5.1	4.6	1.2	.0	.0

TABLE 15

MEANS,EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00&03	82	81	81	75	72	72	72	75.9	30
06&09	82	81	78	73	70	69	69	73.3	57
12&15	77	76	75	73	68	68	68	72.5	23
18&21	77	76	76	72	69	69	69	72.4	56
TOT	82	81	79	73	69	68	68	73.3	166

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00&03	.0	3.8	23.1	23.1	46.2	3.8	77	26
06&09	.0	4.3	4.3	29.8	34.0	27.7	82	47
12&15	.0	.0	4.8	19.0	47.6	28.6	85	21
18&21	.0	2.0	18.0	18.0	30.0	32.0	81	50
TOT	0	4	18	33	53	36	81	144

MARCH

PERIOD: (PRIMARY) 1944-1977
(OVER-ALL) 1882-1977

AREA 0023 NORFOLK ISLAND
28.9S 167.9E

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	69 72	73 76	77 80	81 84	TOT	W FOG	WO FOG
14/16	.0	.0	1.0	.0	1	.0	1.0
9/10	.0	.0	1.0	.0	1	.0	1.0
7/8	.0	1.0	1.0	2.1	4	.0	4.2
5	.0	.0	1.0	.0	1	.0	1.0
4	.0	.0	2.1	.0	2	.0	2.1
3	.0	2.1	.0	.0	2	.0	2.1
2	1.0	4.2	2.1	.0	7	.0	7.3
1	.0	8.3	3.1	.0	11	.0	11.5
0	4.2	6.3	2.1	.0	12	.0	12.5
-1	5.2	5.2	2.1	.0	12	.0	12.5
-2	4.2	5.2	.0	.0	9	.0	9.4
-3	4.2	4.2	1.0	.0	9	.0	9.4
-4	5.2	3.1	1.0	.0	9	.0	9.4
-5	6.3	1.0	.0	.0	7	.0	7.3
-6	4.2	.0	.0	.0	4	.0	4.2
-7/-8	2.1	1.0	.0	.0	3	.0	3.1
-9/-10	.0	1.0	.0	.0	1	.0	1.0
-11/-13	1.0	.0	.0	.0	1	.0	1.0
TOTAL	36	41	17	2	96	0	96
PCT	37.5	42.7	17.7	2.1	100.0		100.0

PERIOD: (OVER-ALL) 1963-1977

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	3.3	.0	.0	.0	3.3	3.3
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	3.3	.0	.0	.0	3.3	5.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	6.7	.0	.0	.0	.0	6.7

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	6.7	.4	.0	.0	.0	7.1
3-4	.0	3.3	.0	.0	.0	.0	3.3
5-6	.0	.0	2.1	.8	.0	.0	2.9
7	.0	1.7	3.3	.0	.0	.0	5.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	1.7	.0	.0	1.7
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	11.7	5.8	2.5	.0	.0	20.0

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	3.3	2.9	1.3	.0	.0	.0	7.5
3-4	.0	.0	5.0	.0	.0	.0	5.0
5-6	.0	1.7	1.3	5.4	.0	.0	8.3
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	1.7	1.7	.0	.0	3.3
10-11	.0	1.3	.0	.0	.0	.0	1.3
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	1.7	.0	1.7
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	3.3	5.8	9.2	7.1	1.7	.0	27.1

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	1.7	.0	.0	.0	.0	1.7
1-2	3.3	.8	.0	.0	.0	.0	4.2
3-4	.0	3.8	3.8	.0	.0	.0	7.5
5-6	.0	.0	1.7	.4	.0	.0	2.1
7	.0	.0	.4	3.3	.0	.0	3.8
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.4	.0	.0	.0	.0	.4
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	1.7	.0	.0	.0	1.7
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	3.3	6.7	7.5	3.8	.0	.0	21.3

PERIOD: (OVER-ALL) 1963-1977

MARCH

TABLE 18 (CONT)

AREA 0023 NORFOLK ISLAND
28.9S 167.9E

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

S

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	1.3	1.7	.0	.0	.0	2.9
3-4	.0	4.2	1.3	.0	.0	.0	5.4
5-6	.0	.0	1.7	.0	.0	.0	1.7
7	.0	.0	4.6	.0	.0	.0	4.6
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	5.4	9.2	.0	.0	.0	14.6

SW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	1.7	.0	.0	.0	1.7
3-4	.0	.4	1.7	.0	.0	.0	2.1
5-6	.0	.0	.4	.0	.0	.0	.4
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.4	3.8	.0	.0	.0	4.2

W

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	1.3	1.7	.0	.0	.0	2.9
5-6	.0	.0	2.9	.0	.0	.0	2.9
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	1.3	4.6	.0	.0	.0	5.8

NW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	.0	.0	.0	.0	.0	.0	.0	
1-2	.0	.0	.0	.0	.0	.0	.0	
3-4	.0	.4	.0	.0	.0	.0	.4	
5-6	.0	.0	.0	.0	.0	.0	.0	
7	.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.0	.4	.0	.0	.0	.0	.4	100.0

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	.0	1.7	.0	.0	.0	.0	1.7	
1-2	6.7	11.7	5.0	.0	.0	.0	23.3	
3-4	.0	16.7	13.3	.0	.0	.0	30.0	
5-6	.0	1.7	10.0	6.7	.0	.0	18.3	
7	.0	5.0	8.3	3.3	.0	.0	16.7	
8-9	.0	.0	1.7	1.7	.0	.0	3.3	
10-11	.0	1.7	.0	.0	.0	.0	1.7	
12	.0	.0	.0	1.7	.0	.0	1.7	
13-16	.0	.0	1.7	.0	1.7	.0	3.3	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	6.7	38.3	40.0	13.3	1.7	.0	100.0	60

PERIOD: (OVER-ALL) 1950-1977

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	.0	2.6	9.2	9.2	3.9	5.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	5
6-7	.0	2.6	2.6	5.3	14.5	5.3	2.6	1.3	1.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	27	7
8-9	.0	.0	5.3	.0	5.3	3.9	2.6	2.6	5.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	19	8
10-11	.0	.0	.0	1.3	1.3	2.6	.0	1.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5	8
12-13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
>13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
INDET	.0	.0	1.3	.0	.0	.0	1.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2	7
TOTAL	0	4	14	12	19	13	5	4	5	0	0	0	0	0	0	0	0	0	0	76	7
PCT	.0	5.3	18.4	15.8	25.0	17.1	6.6	5.3	6.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

APRIL

PERIOD: (PRIMARY) 1936-1977
(OVER-ALL) 1909-1977

AREA 0023 NORFOLK ISLAND
28.8S 167.8E

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
N	15.0	.0	.0	.0	.0	.0	.0	15.0	.0	.0	.0	.0	.0	.0	.0	85.0
NE	1.4	2.7	.0	.0	.0	.0	.0	4.1	5.4	5.4	.0	.0	.0	.0	.0	89.1
E	4.2	2.1	.0	.0	.0	.0	.0	6.3	.0	.0	.0	.0	.0	.0	.0	93.8
SE	.0	.0	.0	.0	.0	.0	3.6	3.6	.9	.0	.0	.0	.0	.0	.0	95.5
S	.0	4.4	.0	.0	.0	.0	.0	4.4	3.3	.0	.0	.0	.0	.0	.0	92.2
SW	5.7	.0	.0	.0	.0	.0	.0	5.7	.0	.0	.0	.0	.0	.0	.0	94.3
W	10.8	.0	.0	.0	.0	.0	.0	10.8	18.9	.0	.0	.0	10.8	.0	.0	59.5
NW	17.4	.0	.0	.0	.0	.0	.0	17.4	4.3	.0	.0	.0	.0	.0	.0	78.3
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
TOT PCT	3.8	1.5	.0	.0	.0	.0	.8	6.1	3.0	.8	.0	.0	.8	.0	89.4	
TOT OBS:	132															

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
00&03	.0	.0	.0	.0	.0	.0	3.0	3.0	3.0	.0	.0	.0	.0	.0	93.9	
06&09	5.5	3.6	.0	.0	.0	.0	.0	9.1	3.6	.0	.0	.0	1.8	.0	85.5	
12&15	.0	.0	.0	.0	.0	.0	.0	.0	4.0	4.0	.0	.0	.0	.0	92.0	
18&21	13.0	.0	.0	.0	.0	.0	.0	13.0	.0	4.3	.0	.0	.0	.0	87.0	
TOT PCT	4.4	1.5	.0	.0	.0	.0	.7	6.6	2.9	1.5	.0	.0	.7	.0	89.0	
TOT OBS:	136															

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	WIND SPEED (KNOTS)									HOUR (GMT)							
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	.6	2.0	.6	.0	.0	.5		3.8	12.7	.0	.0	3.9	7.4	3.6	.0	6.3	4.5
NE	.0	5.8	5.3	3.0	.0	.2		14.2	14.6	15.0	.0	7.2	15.7	17.9	62.5	7.8	15.9
E	.0	7.5	9.5	5.0	.0	.0		22.0	14.7	13.6	.0	17.8	35.2	17.0	12.5	29.7	38.6
SE	1.3	4.5	11.1	3.9	.0	.0		20.8	15.1	42.9	.0	11.2	15.7	19.6	.0	20.3	9.1
S	.5	5.3	7.2	2.2	.0	.0		15.2	12.8	13.6	100.0	29.6	11.1	12.5	.0	4.7	.0
SW	.2	4.5	3.4	2.8	.6	.0		11.6	16.3	5.0	.0	15.1	9.3	19.6	25.0	12.5	.0
W	.0	3.1	1.6	.6	.5	.0		5.8	15.2	4.3	.0	6.6	1.9	9.8	.0	12.5	.0
NW	.0	4.1	1.3	.0	.2	.0		5.5	10.4	5.7	.0	8.6	3.7	.0	.0	.0	22.7
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	1.3							1.3	.0	.0	.0	.0	.0	.0	.0	6.3	9.1
TOT OBS	6	59	64	28	2	1	160		14.2	35	1	38	27	28	4	16	11
TOT PCT	3.8	36.9	40.0	17.5	1.3	.6		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

	WIND SPEED (KNOTS)								HOUR (GMT)			
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	06 09	12 15	18 21
N	1.6	1.7	.0	.0	.5		3.8	14.7	.0	5.4	3.1	5.6
NE	3.8	4.2	5.3	.8	.2		14.2	14.6	14.6	10.8	23.4	11.1
E	4.4	9.1	7.5	1.1	.0		22.0	14.7	13.2	25.0	16.4	33.3
SE	2.2	10.0	6.7	1.9	.0		20.8	15.1	41.7	13.1	17.2	15.7
S	2.0	9.8	3.3	.0	.0		15.2	12.8	16.0	21.9	10.9	2.8
SW	1.7	4.2	3.8	1.9	.0		11.6	16.3	4.9	12.7	20.3	7.4
W	.9	2.8	1.6	.0	.5		5.8	15.2	4.2	4.6	8.6	7.4
NW	.9	4.4	.0	.0	.2		5.5	10.4	5.6	6.5	.0	9.3
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	1.3						1.3	.0	.0	.0	.0	7.4
TOT OBS	30	74	45	9	2	160		14.2	36	65	32	27
TOT PCT	18.8	46.3	28.1	5.6	1.3		100.0		100.0	100.0	100.0	100.0

APRIL

PERIOD: (PRIMARY) 1936-1977
(OVER-ALL) 1909-1977

AREA 0023 NORFOLK ISLAND
28.8S 167.8E

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS) 1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00&03	.0	2.8	36.1	38.9	22.2	.0	.0	14.7	100.0	36
06&09	.0	4.6	40.0	35.4	15.4	3.1	1.5	14.2	100.0	65
12&15	.0	.0	37.5	46.9	15.6	.0	.0	14.8	100.0	32
18&21	7.4	.0	29.6	44.4	18.5	.0	.0	12.7	100.0	27
TOT	2	4	59	64	28	2	1	14.2		160
PCT	1.3	2.5	36.9	40.0	17.5	1.3	.6		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	1.0	.0	.8	.8		4.7
NE	3.0	2.0	4.5	1.8		4.6
E	2.0	2.0	6.8	2.5		5.6
SE	6.0	9.8	8.5	1.0		4.1
S	2.8	6.0	10.0	1.0		4.4
SW	5.8	4.5	3.8	3.0		4.0
W	2.5	2.8	1.5	2.0		4.2
NW	.0	.0	1.3	.0		6.0
VAR	.0	.0	.0	.0		.0
CALM	.0	.0	1.0	.0		7.0
TOT OBS	23	27	38	12	100	4.5
TOT PCT	23.0	27.0	38.0	12.0	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT, NH >4/8) AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

WND DIR	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	TOTAL OBS
N	.0	.0	.0	.8	.0	.0	.0	.0	.0	.0	1.8	
NE	.0	.0	.0	1.3	.3	.5	1.0	.0	.0	.0	8.3	
E	.0	.0	.0	3.0	1.8	1.5	.0	.0	.0	.0	7.0	
SE	.0	.0	.0	.0	4.3	2.3	.0	.0	.0	.0	18.8	
S	.0	.0	.0	2.8	3.8	2.8	.0	.0	.0	.0	10.5	
SW	.0	.0	.0	.3	1.3	1.0	.0	.0	.0	.0	14.5	
W	.0	.0	.0	1.0	1.5	1.0	.0	.0	.0	.0	5.3	
NW	.0	.0	.0	.0	1.3	.0	.0	.0	.0	.0	.0	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.0	.0	.0	.0	.0	1.0	.0	.0	.0	.0	
TOT OBS	0	0	0	9	14	9	2	0	0	0	66	100
TOT PCT	.0	.0	.0	9.0	14.0	9.0	2.0	.0	.0	.0	66.0	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) * OR >10	* OR >5	* OR >2	* OR >1	* OR >1/2	* OR >1/4	* OR >50YD	* OR >0
* OR >6500	.0	.0	.0	.0	.0	.0	.0	.0
* OR >5000	.0	.0	.0	.0	.0	.0	.0	.0
* OR >3500	1.0	1.0	2.0	2.0	2.0	2.0	2.0	2.0
* OR >2000	8.2	9.2	10.2	10.2	10.2	10.2	10.2	10.2
* OR >1000	19.4	22.4	24.5	24.5	24.5	24.5	24.5	24.5
* OR >600	26.5	30.6	32.7	33.7	33.7	33.7	34.7	34.7
* OR >300	26.5	30.6	32.7	33.7	33.7	33.7	34.7	34.7
* OR >150	26.5	30.6	32.7	33.7	33.7	33.7	34.7	34.7
* OR > 0	26.5	30.6	32.7	33.7	33.7	33.7	34.7	34.7
TOTAL	26	30	32	33	33	33	34	34

TOTAL NUMBER OF OBS: 98

PCT FREQ NH <5/8: 65.3

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8 OBSCD	TOTAL OBS
3.7	9.2	23.9	12.8	14.7	10.1	8.3	7.3	10.1	.0	109

APRIL

PERIOD: (PRIMARY) 1936-1977
(OVER-ALL) 1909-1977

AREA 0023 NORFOLK ISLAND
28.8S 167.8E

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.6	.2	.0	.0	.0	.0	.0	.8	.0	.0	1.5	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.6	.2	.0	.0	.0	.0	.0	.8	.0	.0	1.5	
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	PCP	.0	.0	.0	.0	.0	.0	.8	.0	.0	.0	.8	
	NO PCP	.0	.0	.8	.0	.0	.0	.0	.0	.0	.0	.8	
	TOT %	.0	.0	.8	.0	.0	.0	.8	.0	.0	.0	1.5	
2<5	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.8	.8	1.0	.6	.8	.0	.0	.0	.0	3.8	
	TOT %	.0	.8	.8	1.0	.6	.8	.0	.0	.0	.0	3.8	
5<10	PCP	.0	.4	1.1	.0	.8	.8	.0	.0	.0	.0	3.1	
	NO PCP	1.9	4.2	6.1	2.9	2.9	1.1	1.0	2.9	.0	.0	22.9	
	TOT %	1.9	4.6	7.3	2.9	3.6	1.9	1.0	2.9	.0	.0	26.0	
10+	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	1.3	8.6	9.5	16.4	13.0	10.7	5.3	.8	.0	1.5	67.2	
	TOT %	1.3	8.6	9.5	16.4	13.0	10.7	5.3	.8	.0	1.5	67.2	
	TOT OBS												131
	TOT PCT	3.8	14.1	18.3	20.2	17.2	13.4	7.1	4.4	.0	1.5	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.8	.0		.8	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.6	.2	.0	.0	.0	.0	.0	.0	.0		.8	
	TOT %	.6	.2	.0	.0	.0	.0	.0	.8	.0	.0	1.5	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.8	.0	.0	.0	.0	.0	.0		.8	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.8	.0	.0		.8	
	TOT %	.0	.0	.8	.0	.0	.0	.8	.0	.0	.0	1.5	
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.4	1.1	.9	.6	.0	.0	.0	.0		3.0	
	22+	.0	.8	.0	.0	.0	.8	.0	.0	.0		1.5	
	TOT %	.0	1.1	1.1	.9	.6	.8	.0	.0	.0	.0	4.5	
5<10	0-3	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	
	4-10	.4	2.3	3.0	.6	2.5	.4	.4	1.9	.0		11.4	
	11-21	.8	1.9	1.9	.0	.8	1.5	.0	.8	.0		7.6	
	22+	.0	.4	2.3	2.3	.4	.0	.6	.2	.0		6.1	
	TOT %	1.9	4.5	7.2	2.8	3.6	1.9	.9	2.8	.0	.0	25.8	
10+	0-3	.0	.0	.0	.8	.6	.2	.0	.0	.0	1.5	3.0	
	4-10	1.3	3.0	4.0	4.2	4.0	5.1	3.4	.8	.0		25.8	
	11-21	.0	4.0	3.6	9.1	6.1	2.7	1.9	.0	.0		27.3	
	22+	.0	1.5	1.9	2.3	2.3	2.7	.0	.0	.0		10.6	
	TOT %	1.3	8.5	9.5	16.3	12.9	10.6	5.3	.8	.0	1.5	66.7	
	TOT OBS												132
	TOT PCT	3.8	14.4	18.6	20.1	17.0	13.3	7.0	4.4	.0	1.5	100.0	

APRIL

PERIOD: (PRIMARY) 1936-1977
(OVER-ALL) 1909-1977

AREA 0023 NORFOLK ISLAND
28.8S 167.3E

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET,NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00&03	.0	.0	.0	3.2	9.7	19.4	3.2	.0	.0	.0	35.5	64.5	31
06&09	.0	.0	.0	19.4	22.2	2.8	.0	.0	.0	.0	44.4	55.6	36
12&15	.0	.0	.0	4.2	8.3	4.2	.0	.0	.0	.0	16.7	83.3	24
18&21	.0	.0	.0	7.1	7.1	7.1	7.1	.0	.0	.0	28.6	71.4	14
TOT	0	0	0	10	14	9	2	0	0	0	35	70	105
PCT	.0	.0	.0	9.5	13.3	8.6	1.9	.0	.0	.0	33.3	66.7	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00&03	.0	.0	.0	3.1	6.3	90.6	32
06&09	3.6	.0	.0	1.8	40.0	54.5	55
12&15	.0	.0	3.8	11.5	15.4	69.2	26
18&21	.0	.0	4.3	4.3	34.8	56.5	23
TOT	2	0	2	6	36	90	136
PCT	1.5	.0	1.5	4.4	26.5	66.2	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET,NM >4/8), BY HOUR

HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL OBS
00&03	.0	.0	6.9	31.0	62.1	29
06&09	.0	2.9	23.5	26.5	50.0	34
12&15	.0	.0	18.2	9.1	72.7	22
18&21	.0	.0	15.4	15.4	69.2	13
TOT	0	1	16	22	60	98
PCT	.0	1.0	16.3	22.4	61.2	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
80/84	.0	.0	.0	.0	.0	1.7	.0	.0	2	1.7
75/79	.0	.0	.0	.8	2.5	5.0	5.0	2.5	19	16.0
70/74	.0	.0	.0	5.0	11.8	16.0	20.2	6.7	71	59.7
65/69	.0	.0	.0	1.7	.8	13.4	2.5	4.2	27	22.7
TOTAL	0	0	0	9	18	43	33	16	119	100.0
PCT	.0	.0	.0	7.6	15.1	36.1	27.7	13.4		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
.0	.0	.8	.0	.0	.0	.8	.0	.0	.0
.4	2.5	4.2	6.3	1.3	.0	.0	1.3	.0	.0
2.9	6.5	9.9	11.3	7.6	10.1	6.3	4.2	.0	.8
1.7	2.7	5.3	2.7	6.5	2.1	.6	1.1	.0	.0
5.0	11.8	20.2	20.4	15.3	12.2	7.8	6.5	.0	.8

TABLE 15

MEANS,EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00&03	81	80	80	73	69	68	68	73.8	35
06&09	84	83	77	72	67	66	66	71.6	63
12&15	75	74	74	71	65	65	65	70.5	33
18&21	75	74	73	70	66	66	66	70.3	27
TOT	84	81	77	72	66	65	65	71.6	158

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00&03	.0	7.4	25.9	33.3	29.6	3.7	74	27
06&09	.0	10.0	12.0	38.0	24.0	16.0	77	50
12&15	.0	4.0	8.0	36.0	32.0	20.0	80	25
18&21	.0	5.3	26.3	31.6	26.3	10.5	76	19
TOT	0	9	20	43	33	16	77	121

APRIL

PERIOD: (PRIMARY) 1936-1977
(OVER-ALL) 1909-1977

AREA 0023 NORFOLK ISLAND
28.8S 167.8E

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	65 68	69 72	73 76	77 80	81 84	TOT	W FOG	WO FOG
9/10	.0	.0	.0	.0	1.1	1	.0	1.1
7/8	.0	.0	1.1	1.1	.0	2	.0	2.2
4	.0	.0	.0	1.1	1.1	2	.0	2.2
3	.0	1.1	1.1	2.2	.0	4	.0	4.4
2	.0	3.3	2.2	1.1	.0	6	.0	6.7
1	1.1	1.1	7.8	.0	.0	9	.0	10.0
0	.0	2.2	8.9	3.3	.0	13	.0	14.4
-1	.0	2.2	2.2	.0	.0	4	.0	4.4
-2	3.3	6.7	3.3	.0	.0	12	.0	13.3
-3	.0	8.9	1.1	.0	.0	9	.0	10.0
-4	2.2	3.3	1.1	.0	.0	6	.0	6.7
-5	1.1	11.1	1.1	.0	.0	12	.0	13.3
-6	1.1	1.1	.0	.0	.0	2	.0	2.2
-7/-8	4.4	1.1	1.1	.0	.0	6	.0	6.7
-9/-10	1.1	.0	1.1	.0	.0	2	.0	2.2
TOTAL	13	38	29	8	2	90	0	90
PCT	14.4	42.2	32.2	8.9	2.2	100.0		100.0

PERIOD: (OVER-ALL) 1963-1977

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	1.2	.0	.0	.0	.0	1.2
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.9	.0	.0	.0	.0	.9
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.9	.9
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	2.0	.0	.0	.0	.9	2.9

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	2.3	.0	.0	.0	.0	2.3
1-2	.0	1.2	1.5	.0	.0	.0	2.6
3-4	.0	1.2	2.6	.0	.0	.0	3.8
5-6	.0	.3	1.2	1.2	.0	.0	2.6
7	.0	.0	.0	1.2	.0	.0	1.2
8-9	.0	.0	.0	.0	.0	.3	.3
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	4.9	5.2	2.3	.0	.3	12.8

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	2.3	.9	.0	.0	.0	3.2
3-4	.0	1.2	.9	.0	.0	.0	2.0
5-6	.0	.0	3.5	.0	.0	.0	3.5
7	.0	.0	.0	1.2	.0	.0	1.2
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	1.2	.0	.0	1.2
12	.0	.0	.0	1.2	.0	.0	1.2
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	3.5	5.2	3.5	.0	.0	12.2

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	1.2	.0	.0	.0	.0	1.2
1-2	.0	.3	1.2	.0	.0	.0	1.5
3-4	.0	2.3	2.3	1.2	.0	.0	5.8
5-6	.0	1.2	4.1	1.2	.0	.0	8.4
7	.0	.0	3.5	2.9	.0	.0	6.4
8-9	.0	.0	2.3	.0	.0	.0	2.3
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	4.9	15.4	5.2	.0	.0	25.6

PERIOD: (OVER-ALL) 1963-1977

APRIL

AREA 0023 NORFOLK ISLAND
28.8S 167.8E

TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

S

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.9	.0	.0	.0	.0	.0	.9
1-2	.0	2.0	1.2	.0	.0	.0	3.2
3-4	.0	.0	3.5	.0	.0	.0	3.5
5-6	.0	2.0	3.2	.0	.0	.0	5.2
7	.0	.0	.0	1.7	.0	.0	1.7
8-9	.0	.0	1.2	1.7	.0	.0	2.9
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.9	4.1	9.0	3.5	.0	.0	17.4

SW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.3	1.2	1.2	.0	.0	.0	2.6
1-2	.0	4.7	.0	.0	.0	.0	4.7
3-4	.0	1.7	2.3	2.3	.0	.0	6.4
5-6	.0	.3	.3	1.2	.0	.0	1.7
7	.0	.0	.0	1.2	1.2	.0	2.3
8-9	.0	.0	.0	.6	.0	.0	.6
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.3	7.8	3.8	5.2	1.2	.0	18.3

W

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	2.3	.0	.0	.0	.0	2.3
3-4	.0	1.7	.0	.0	.0	.0	1.7
5-6	.0	.0	.9	.0	.0	.0	.9
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.9	.0	.0	.9
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	4.1	.9	.0	.9	.0	5.8

NW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	.0	.0	.0	.0	.0	.0	.0	
1-2	.0	.0	.0	.0	.0	.0	.0	
3-4	.0	1.2	.0	.0	.0	.0	1.2	
5-6	.0	1.2	.0	.0	.0	.0	1.2	
7	.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	.0	.3	.0	.3	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.0	2.3	.0	.0	.3	.0	2.6	97.7

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	2.3	4.7	1.2	.0	.0	.0	8.1	
1-2	.0	14.0	4.7	.0	.0	.0	18.6	
3-4	.0	9.3	11.6	3.5	.0	.0	24.4	
5-6	.0	5.8	15.1	3.5	.0	.0	24.4	
7	.0	.0	3.5	8.1	1.2	.0	12.8	
8-9	.0	.0	3.5	2.3	1.2	1.2	8.1	
10-11	1.2	.0	.0	1.2	.0	.0	2.3	
12	.0	.0	.0	1.2	.0	.0	1.2	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
								86
TOT PCT	3.5	33.7	39.5	19.8	2.3	1.2	100.0	

PERIOD: (OVER-ALL) 1949-1977

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	.0	6.1	3.0	5.1	2.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	17	4
6-7	.0	.0	4.0	9.1	7.1	1.0	1.0	1.0	1.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	25	7
8-9	.0	.0	1.0	0.1	7.1	4.0	2.0	2.0	6.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	28	8
10-11	.0	.0	1.0	.0	3.0	3.0	7.1	2.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	16	9
12-13	.0	.0	.0	.0	2.0	1.0	.0	1.0	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5	10
>13	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	18
INDET	1.0	.0	2.0	2.0	1.0	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7	5
TOTAL	1	6	11	22	22	10	11	6	7	3	0	0	0	0	0	0	0	0	0	99	7
PCT	1.0	6.1	11.1	22.2	22.2	10.1	11.1	6.1	7.1	3.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

MAY

PERIOD: (PRIMARY) 1926-1977
(OVER-ALL) 1862-1977

AREA 0023 NORFOLK ISLAND
29.9S 167.8E

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
N	9.4	12.5	12.5	.0	.0	.0	.0	34.4	.0	.0	.0	.0	.0	.0	.0	65.6
NE	9.8	7.8	7.8	.0	.0	.0	.0	25.5	.0	7.8	.0	.0	.0	.0	.0	66.7
E	.0	.0	11.4	.0	.0	.0	.0	11.4	.0	.0	.0	.0	.0	.0	.0	88.6
SE	.0	.0	.0	.0	.0	.0	.0	.0	3.7	.0	.0	.0	.0	.0	.0	96.3
S	5.5	.0	.0	.0	.0	.0	.0	5.5	.0	.0	.0	.0	.0	.0	.0	94.5
SW	5.5	5.5	.0	.0	.0	.0	.0	11.0	5.5	.0	.0	.0	.0	.0	.0	83.6
W	.0	3.4	.0	.0	.0	.0	.0	3.4	.0	.0	.0	.0	.0	.0	.0	96.6
NW	8.7	4.3	.0	.0	.0	.0	.0	13.0	8.7	8.7	.0	.0	.0	.0	.0	78.3
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
TOT PCT	3.8	3.1	3.1	.0	.0	.0	.0	10.0	2.3	1.5	.0	.0	.0	.0	.0	86.9
TOT OBS:	130															

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
00603	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
06609	7.5	5.7	5.7	.0	.0	.0	.0	18.9	1.9	1.9	.0	.0	.0	.0	.0	79.2
12615	4.8	.0	4.8	.0	.0	.0	.0	9.5	4.8	4.8	.0	.0	.0	.0	.0	81.0
18621	.0	3.3	.0	.0	.0	.0	.0	3.3	3.3	.0	.0	.0	.0	.0	.0	93.3
TOT PCT	3.8	3.1	3.1	.0	.0	.0	.0	9.9	2.3	1.5	.0	.0	.0	.0	.0	87.0
TOT OBS:	131															

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	WIND SPEED (KNOTS)									HOUR (GMT)							
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	.5	.5	3.3	1.8	.0	.0		6.1	17.6	3.4	.0	5.6	13.5	6.5	.0	3.6	4.4
NE	.8	3.8	4.3	.8	.0	.0		9.8	11.8	6.9	.0	9.0	2.1	10.9	.0	20.2	13.2
E	.0	6.6	5.0	2.0	.0	.0		13.6	12.3	9.5	.0	12.5	22.9	10.9	.0	13.1	14.7
SE	.0	7.3	9.8	2.8	.0	.0		19.9	12.7	31.0	.0	12.5	12.5	29.3	.0	29.8	2.9
S	.7	4.6	6.5	1.0	.0	.0		12.7	13.3	16.4	.0	27.1	10.4	3.3	.0	3.6	4.4
SW	1.3	3.6	6.0	2.0	.0	.0		12.9	14.0	16.4	.0	11.1	14.6	5.4	.0	16.7	14.7
W	.5	5.6	3.1	2.8	.3	.0		12.4	14.4	8.6	.0	10.4	8.3	20.7	.0	3.6	29.4
NW	1.5	6.3	2.5	.7	.3	.0		11.3	10.4	7.8	.0	6.3	15.6	13.0	100.0	9.5	16.2
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	1.3							1.3	.0	.0	.0	5.6	.0	.0	.0	.0	.0
TOT OBS	10	58	61	21	1	0	151		12.9	29	0	36	24	23	1	21	17
TOT PCT	6.6	38.4	40.4	13.9	.7	.0		100.0		100.0	.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

	WIND SPEED (KNOTS)								HOUR (GMT)			
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	06 09	12 15	18 21
N	1.0	1.8	2.8	.7	.0		6.1	17.6	3.4	8.8	6.3	3.9
NE	2.6	5.6	1.5	.0	.0		9.8	11.8	6.9	6.3	10.4	17.1
E	2.0	8.4	3.1	.0	.0		13.6	12.3	9.5	16.7	10.4	13.8
SE	3.6	11.8	4.5	.0	.0		19.9	12.7	31.0	12.5	28.1	17.8
S	2.0	6.6	4.1	.0	.0		12.7	13.3	16.4	20.4	3.1	3.9
SW	2.0	6.3	4.0	.7	.0		12.9	14.0	16.4	12.5	5.2	15.8
W	2.0	7.3	.8	2.3	.0		12.4	14.4	8.6	9.6	19.8	15.1
NW	4.0	5.8	.5	1.0	.0		11.3	10.4	7.8	10.0	16.7	12.5
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	1.3						1.3	.0	.0	3.3	.0	.0
TOT OBS	31	81	32	7	0	151		12.9	29	60	24	38
TOT PCT	20.5	53.6	21.2	4.6	.0		100.0		100.0	100.0	100.0	100.0

PERIOD: (PRIMARY) 1926-1977
(OVER-ALL) 1862-1977

AREA 0023 NORFOLK ISLAND
28.9S 167.8E

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS) 1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00&03	.0	10.3	31.0	48.3	10.3	.0	.0	12.0	100.0	29
06&09	3.3	5.0	33.3	43.3	15.0	.0	.0	13.5	100.0	60
12&15	.0	4.2	37.5	41.7	16.7	.0	.0	13.5	100.0	24
18&21	.0	2.6	52.6	28.9	13.2	2.6	.0	12.2	100.0	38
TOT	2	8	58	61	21	1	0	12.9		151
PCT	1.3	5.3	38.4	40.4	13.9	.7	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	1.6	.0	1.1	2.1		5.6
NE	1.9	1.1	.0	7.4		6.3
E	1.9	.0	7.7	3.7		6.2
SE	1.3	6.9	6.4	9.3		5.9
S	5.0	4.3	5.3	.8		3.8
SW	2.9	2.9	6.4	.0		4.5
W	.8	4.0	5.9	.8		5.4
NW	2.1	2.1	1.3	1.3		4.1
VAR	.0	.0	.0	.0		.0
CALM	1.1	.0	.0	.0		1.0
TOT OBS	18	20	32	24	94	5.2
TOT PCT	19.1	21.3	34.0	25.5	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT, NH >4/8) AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

WND DIR	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	TOTAL OBS
N	.0	.0	1.1	1.1	.0	.0	.0	.0	.0	.0	2.7	
NE	.0	.0	1.1	3.2	1.1	.0	.0	1.1	.0	.0	4.0	
E	.0	.0	.0	2.1	2.9	4.5	.0	.0	.0	.0	3.7	
SE	.0	.0	.0	4.3	4.8	1.9	2.1	1.1	.0	.0	9.8	
S	.0	.0	.0	1.1	1.9	.0	.0	.0	.0	.0	13.0	
SW	.0	.0	.0	.0	3.5	.0	1.1	.0	.0	.0	7.7	
W	.0	.0	.0	.0	4.0	.0	.0	.0	.0	.0	7.4	
NW	.0	.0	.0	1.1	.0	.0	.0	.0	.0	.0	5.9	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.1	
TOT OBS	0	0	2	12	17	6	3	2	0	0	52	94
TOT PCT	.0	.0	2.1	12.8	18.1	6.4	3.2	2.1	.0	.0	55.3	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) = OR >10	= OR >5	= OR >2	= OR >1	= OR >1/2	= OR >1/4	= OR >50YD	= OR >0
= OR >6500	.0	.0	.0	.0	.0	.0	.0	.0
= OR >5000	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
= OR >3300	4.3	5.4	5.4	5.4	5.4	5.4	5.4	5.4
= OR >2000	10.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8
= OR >1000	25.8	30.1	30.1	30.1	30.1	30.1	30.1	30.1
= OR >600	33.3	40.9	41.9	41.9	43.0	43.0	43.0	43.0
= OR >300	35.5	43.0	44.1	44.1	45.2	45.2	45.2	45.2
= OR >150	35.5	43.0	44.1	44.1	45.2	45.2	45.2	45.2
= OR > 0	35.5	43.0	44.1	44.1	45.2	45.2	45.2	45.2
TOTAL	33	40	41	41	42	42	42	42

TOTAL NUMBER OF OBS: 93 PCT FREQ NH <5/8: 54.8

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8 OBSCD	TOTAL OBS
3.1	12.2	14.3	11.2	13.3	5.1	9.2	13.3	18.4	.0	98

PERIOD: (PRIMARY) 1926-1977
(OVER-ALL) 1862-1977

AREA 0023 NORFOLK ISLAND
28.9S 167.8E

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	PCP	.0	.0	.8	.0	.0	.0	.0	.0	.0	.0	.8	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.8	.0	.0	.0	.0	.0	.0	.0	.8	
1<2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	PCP	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.8	
	NO PCP	.8	.8	.0	.0	.0	.8	.0	.0	.0	.0	2.3	
	TOT %	.8	1.6	.0	.0	.0	.8	.0	.0	.0	.0	3.1	
5<10	PCP	2.1	1.7	.8	.0	.0	1.6	.4	1.2	.0	.0	7.8	
	NO PCP	.6	.6	3.7	3.3	1.9	3.1	4.8	2.1	.0	.0	20.2	
	TOT %	2.7	2.3	4.5	3.3	1.9	4.7	5.2	3.3	.0	.0	27.9	
10+	PCP	.0	.0	.0	.0	.8	.0	.0	.0	.0	.0	.8	
	NO PCP	2.7	6.0	8.3	17.6	11.4	7.9	6.2	5.6	.0	1.6	67.4	
	TOT %	2.7	6.0	8.3	17.6	12.2	7.9	6.2	5.6	.0	1.6	68.2	
	TOT OBS												129
	TOT PCT	6.2	9.9	13.6	20.9	14.1	13.4	11.4	8.9	.0	1.6	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.8	.0	.0	.0	.0	.0	.0		.8	
	TOT %	.0	.0	.8	.0	.0	.0	.0	.0	.0	.0	.8	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.8	.0	.0	.0	.8	.0	.0	.0		1.6	
	11-21	.0	.8	.0	.0	.0	.0	.0	.0	.0		.8	
	22+	.8	.0	.0	.0	.0	.0	.0	.0	.0		.8	
	TOT %	.8	1.6	.0	.0	.0	.8	.0	.0	.0	.0	3.1	
5<10	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.4	1.9	1.7	1.4	1.9	2.9	2.1	.0		12.4	
	11-21	1.4	1.0	2.5	1.6	.6	1.6	.8	.0	.0		9.3	
	22+	1.4	1.0	.0	.0	.0	1.2	1.6	1.2	.6		6.2	
	TOT %	2.7	2.3	4.5	3.3	1.9	4.7	5.2	3.3	.0	.0	27.9	
10+	0-3	.6	1.0	.0	.0	.0	.8	.6	1.0	.0	1.6	5.4	
	4-10	.6	1.7	4.3	4.5	4.1	.8	1.9	3.1	.0		20.9	
	11-21	1.6	3.3	3.3	9.9	7.0	5.4	2.1	1.6	.0		34.1	
	22+	.0	.0	.8	3.3	1.2	1.0	1.6	.0	.0		7.8	
	TOT %	2.7	6.0	8.3	17.6	12.2	7.9	6.2	5.6	.0	1.6	68.2	
	TOT OBS												129
	TOT PCT	6.2	9.9	13.6	20.9	14.1	13.4	11.4	8.9	.0	1.6	100.0	

PERIOD: (PRIMARY) 1926-1977
(OVER-ALL) 1862-1977

AREA 0023 NORFOLK ISLAND
28.9S 167.8E

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET,NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00603	.0	.0	.0	7.4	18.5	7.4	.0	.0	.0	.0	33.3	66.7	27
06609	.0	.0	2.8	19.4	16.7	5.6	5.6	.0	.0	.0	50.0	50.0	36
12615	.0	.0	6.3	18.8	18.8	6.3	6.3	.0	.0	.0	56.3	43.8	16
18621	.0	.0	.0	.0	18.8	6.3	.0	12.5	.0	.0	37.5	62.5	16
TOT	0	0	2	12	17	6	3	2	0	0	42	53	95
PCT	.0	.0	2.1	12.6	17.9	6.3	3.2	2.1	.0	.0	44.2	55.8	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00603	.0	.0	.0	.0	7.4	92.6	27
06609	.0	.0	.0	3.8	38.5	57.7	52
12615	.0	4.8	.0	4.8	23.8	66.7	21
18621	.0	.0	.0	3.3	33.3	63.3	30
TOT	0	1	0	4	37	88	130
PCT	.0	.8	.0	3.1	28.5	67.7	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET,NH >4/8),BY HOUR

HOUR (GMT)	<150 <500	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL OBS
00603	.0	.0	7.4	25.9	66.7	27
06609	.0	2.9	23.5	29.4	47.1	34
12615	.0	12.5	25.0	31.3	43.8	16
18621	.0	.0	.0	37.5	62.5	16
TOT	0	3	14	28	51	93
PCT	.0	3.2	15.1	30.1	54.8	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
80/84	.0	.0	.0	.0	.0	.0	.0	.9	1	.9
75/79	.0	.0	.0	.0	.9	.0	.9	.0	2	1.7
70/74	.0	.0	.0	4.3	7.8	11.3	10.4	4.3	44	38.3
65/69	.0	.0	.0	4.3	15.7	16.5	8.7	8.7	62	53.9
60/64	.0	.0	.0	.0	1.7	.0	2.6	.9	6	5.2
TOTAL	0	0	0	10	30	32	26	17	115	100.0
PCT	.0	.0	.0	8.7	26.1	27.8	22.6	14.8		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
.0	.0	.0	.2	.7	.0	.0	.0	.0	.0
.0	.0	.0	.9	.7	.2	.0	.0	.0	.0
3.0	5.7	3.0	5.0	3.7	3.7	6.1	6.3	.0	1.7
1.3	4.1	10.7	14.8	7.2	8.3	5.0	2.6	.0	.0
.0	.9	.0	2.0	1.3	1.1	.0	.0	.0	.0
4.3	10.7	13.7	22.8	13.5	13.3	11.1	8.9	.0	1.7

TABLE 15

MEANS,EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00603	82	81	75	70	65	65	65	70.6	28
06609	76	75	72	68	65	62	62	68.4	60
12615	78	77	73	69	64	64	64	68.8	24
18621	71	70	70	68	64	64	64	67.6	36
TOT	82	78	73	69	65	64	62	68.7	148

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00603	.0	24.0	36.0	20.0	16.0	4.0	69	25
06609	.0	4.9	26.8	29.3	24.4	14.6	76	41
12615	.0	.0	14.3	38.1	19.0	28.6	80	21
18621	.0	7.1	25.0	25.0	28.6	14.3	76	28
TOT	0	10	30	32	26	17	75	115

MAY

PERIOD: (PRIMARY) 1926-1977
(OVER-ALL) 1862-1977

AREA 0023 NORFOLK ISLAND
28.9S 167.8E

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	61 64	65 68	69 72	73 76	77 80	81 84	TOT	W FOG	WO FOG
9/10	.0	.0	.0	.0	.0	1.1	1	.0	1.1
5	.0	.0	1.1	.0	.0	.0	1	.0	1.1
4	.0	.0	1.1	.0	.0	.0	1	.0	1.1
2	.0	1.1	4.3	2.1	.0	.0	7	.0	7.4
1	.0	2.1	4.3	1.1	1.1	.0	8	.0	8.5
0	1.1	3.2	6.4	.0	.0	.0	10	.0	10.6
-1	.0	2.1	9.6	.0	.0	.0	11	.0	11.7
-2	.0	8.5	6.4	1.1	.0	.0	15	.0	16.0
-3	.0	7.4	4.3	1.1	.0	.0	12	.0	12.8
-4	.0	2.1	1.1	1.1	.0	.0	4	.0	4.3
-5	.0	8.5	2.1	.0	.0	.0	10	.0	10.6
-6	.0	2.1	1.1	1.1	.0	.0	4	.0	4.3
-7/-8	2.1	7.4	.0	.0	.0	.0	9	.0	9.6
-9/-10	1.1	.0	.0	.0	.0	.0	1	.0	1.1
TOTAL	4		39		1		0		94
		42		7		1	94		
PCT	4.3	44.7	41.5	7.4	1.1	1.1	100.0		100.0

PERIOD: (OVER-ALL) 1963-1977

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	1.0	.0	.0	.0	.0	.0	1.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	1.0	.0	.0	1.0
7	.0	.0	1.3	.0	.0	.0	1.3
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.0	.0	1.3	1.0	.0	.0	3.2

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.3	1.3	.0	.0	.0	.0	1.6
3-4	.0	.0	2.6	.0	.0	.0	2.6
5-6	.0	.0	1.6	.3	.0	.0	1.9
7	.0	.0	2.6	.0	.0	.0	2.6
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	1.3	.0	.0	1.3
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.3	1.3	6.8	1.6	.0	.0	10.1

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	4.5	.0	.0	.0	.0	4.5
3-4	.0	2.6	2.6	.0	.0	.0	5.2
5-6	.0	.0	2.9	.0	.0	.0	2.9
7	.0	.0	1.0	1.3	.0	.0	2.3
8-9	.0	.0	.0	1.3	.0	.0	1.3
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	7.1	6.5	2.6	.0	.0	16.2

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	4.9	.0	.0	.0	.0	4.9
3-4	.0	1.6	5.2	.0	.0	.0	6.8
5-6	.0	.0	3.2	2.9	.0	.0	6.2
7	.0	.0	2.9	1.3	.0	.0	4.2
8-9	.0	.0	1.6	.0	.0	.0	1.6
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	6.5	13.0	4.2	.0	.0	23.7

PERIOD: (OVER-ALL) 1968-1977

MAY

TABLE 18 (CONT)

AREA 0023 NORFOLK ISLAND
28.9S 167.8E

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

	S							SW						
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0	1.3	.0	.0	.0	.0	.0	1.3
1-2	.0	3.6	.0	.0	.0	.0	3.6	.0	.3	.0	.0	.0	.0	.3
3-4	.0	1.9	2.3	.0	.0	.0	4.2	.0	.6	4.2	.0	.0	.0	4.9
5-6	.0	.0	.0	1.0	.0	.0	1.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	2.3	.0	.0	.0	2.3	.0	.0	.3	2.6	.0	.0	2.9
8-9	.0	.0	2.9	1.0	.0	.0	3.9	.0	.0	1.9	.3	.0	.0	2.3
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	5.5	7.5	1.9	.0	.0	14.9	1.3	1.0	6.5	2.9	.0	.0	11.7

	W							NW						TOTAL
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	PCT
<1	1.0	.0	.0	.0	.0	.0	1.0	.3	.0	.0	.0	.0	.0	.3	
1-2	.0	3.6	.0	.0	.0	.0	3.6	.0	.0	.0	.0	.0	.0	.0	
3-4	.0	1.0	.0	.0	.0	.0	1.0	.0	1.3	.0	.0	.0	.0	1.3	
5-6	.0	.0	1.3	.0	.0	.0	1.3	1.3	1.3	2.6	.0	.0	.0	5.2	
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	3.9	.0	.0	3.9	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	1.0	4.5	1.3	3.9	.0	.0	10.7	1.6	2.6	2.6	.0	.0	.0	6.8	97.4

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	5.2	.0	.0	.0	.0	.0	5.2	
1-2	1.3	18.2	.0	.0	.0	.0	19.5	
3-4	.0	9.1	16.9	.0	.0	.0	26.0	
5-6	1.3	1.3	11.7	5.2	.0	.0	19.5	
7	.0	.0	10.4	5.2	.0	.0	15.6	
8-9	.0	.0	6.5	2.6	.0	.0	9.1	
10-11	.0	.0	.0	5.2	.0	.0	5.2	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	7.8	28.6	45.5	18.2	.0	.0	100.0	77

PERIOD: (OVER-ALL) 1949-1977

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	1.1	5.6	11.1	5.6	7.8	4.4	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	33	5
6-7	.0	.0	3.3	13.3	4.4	.0	4.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	6
8-9	.0	.0	.0	3.3	4.4	1.1	2.2	2.2	4.4	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	17	10
10-11	.0	.0	.0	1.1	3.3	1.1	1.1	1.1	1.1	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	9	10
12-13	.0	.0	.0	.0	.0	1.1	.0	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2	11
>13	.0	.0	.0	1.1	1.1	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3	7
INDET	.0	.0	.0	.0	2.2	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3	8
TOTAL	1	5	13	22	21	8	8	4	6	1	1	0	0	0	0	0	0	0	0	90	7
PCT	1.1	5.6	14.4	24.4	23.3	8.9	8.9	4.4	6.7	1.1	1.1	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

JUNE

PERIOD: (PRIMARY) 1926-1977
(OVER-ALL) 1889-1977

AREA 0023 NORFOLK ISLAND
29.9S 167.9E

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
N	.0	.0	.0	.0	.0	.0	.0	.0	12.5	.0	.0	.0	.0		.0	87.5
NE	9.5	.0	.0	.0	.0	.0	.0	9.5	.0	.0	.0	.0	.0		.0	90.5
E	15.5	2.4	.0	.0	.0	.0	.0	17.9	.0	.0	.0	.0	.0		.0	82.1
SE	8.1	7.0	.0	.0	.0	.0	.0	15.1	4.7	.0	.0	.0	.0		.0	80.2
S	.0	.0	4.7	.0	.0	.0	.0	4.7	9.4	.0	.0	.0	.0		.0	85.9
SW	3.7	3.7	.0	.0	.0	.0	.0	7.4	3.7	3.7	.0	.0	.0		.0	85.2
W	14.4	2.1	.0	.0	.0	.0	.0	16.5	.0	14.4	.0	.0	.0		.0	83.5
NW	3.2	16.1	.0	.0	.0	.0	.0	19.4	12.9	3.2	.0	.0	.0		.0	67.7
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0
CALM	.0	.0	100.0	.0	.0	.0	.0	100.0	.0	.0	.0	.0	.0		.0	.0
TOT PCT	7.3	4.0	1.3	.0	.0	.0	.0	12.7	4.7	3.3	.0	.0	.0		.0	82.0
TOT OBS:	150															

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
00603	.0	.0	.0	.0	.0	.0	.0	.0	5.1	.0	.0	.0	.0		.0	94.9
06609	11.5	1.9	1.9	.0	.0	.0	.0	15.4	1.9	5.8	.0	.0	.0		.0	82.7
12615	7.7	.0	3.8	.0	.0	.0	.0	11.5	7.7	3.6	.0	.0	.0		.0	76.9
18621	8.6	14.3	.0	.0	.0	.0	.0	22.9	5.7	2.9	.0	.0	.0		.0	71.4
TOT PCT	7.2	3.9	1.3	.0	.0	.0	.0	12.5	4.6	3.3	.0	.0	.0		.0	82.2
TOT OBS:	152															

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	WIND SPEED (KNOTS)									HOUR (GMT)							
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	.0	2.1	2.6	1.0	.0	.0		5.7	13.8	8.6	.0	6.5	2.2	2.8	.0	.0	15.5
NE	.6	3.7	2.5	.1	.0	.0		6.9	10.7	6.6	.0	9.3	2.2	7.4	.0	17.1	3.6
E	.0	6.5	6.6	1.9	.0	.0		15.0	14.3	13.8	.0	19.4	21.3	11.1	.0	13.2	10.7
SE	.0	5.0	7.1	1.6	.1	.0		13.8	14.2	17.8	.0	14.8	8.1	14.8	66.7	9.2	10.7
S	.0	4.3	7.9	.6	.4	.0		13.2	14.5	17.8	.0	17.6	8.1	13.9	.0	13.2	9.5
SW	.0	7.8	8.5	2.8	.0	.0		19.1	13.2	9.2	.0	13.9	31.6	25.0	.0	6.6	31.0
W	.0	2.1	3.7	6.6	3.5	.0		15.9	24.6	16.4	75.0	3.7	19.1	19.4	33.3	25.0	7.1
NW	.0	3.4	4.6	1.2	.6	.0		9.7	16.1	9.9	25.0	14.8	4.4	5.6	.0	15.8	11.9
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.6							.6	.0	.0	.0	.0	2.9	.0	.0	.0	.0
TOT OBS	2	59	74	27	8	0	170		15.5	38	1	27	34	27	3	19	21
TOT PCT	1.2	34.7	43.5	15.9	4.7	.0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

	WIND SPEED (KNOTS)								HOUR (GMT)			
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	06 09	12 15	18 21
N	1.6	1.9	2.2	.0	.0		5.7	13.8	8.3	4.1	2.5	8.1
NE	2.4	2.6	1.9	.0	.0		6.9	10.7	6.4	5.3	6.7	10.0
E	1.2	7.8	4.7	1.3	.0		15.0	14.3	13.5	20.5	10.0	11.9
SE	2.9	6.2	3.5	1.2	.0		13.8	14.2	17.3	11.1	20.0	10.0
S	.6	9.0	2.6	1.0	.0		13.2	14.5	17.3	12.3	12.5	11.3
SW	3.1	10.3	5.7	.0	.0		19.1	13.2	9.0	23.8	22.5	19.4
W	1.0	3.8	4.0	5.9	1.2		15.9	24.6	17.9	12.3	20.8	15.6
NW	1.3	5.4	1.2	1.2	.6		9.7	16.1	10.3	9.0	5.0	13.8
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	.6						.6	.0	.0	1.6	.0	.0
TOT OBS	25	80	44	18	3	170		15.5	39	61	30	40
TOT PCT	14.7	47.1	25.9	10.6	1.8		100.0		100.0	100.0	100.0	100.0

JUNE

PERIOD: (PRIMARY) 1926-1977
(OVER-ALL) 1889-1977

AREA 0023 NORFOLK ISLAND
28.9S 167.9E

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
				WIND SPEED (KNOTS)						
00&03	.0	.0	38.5	46.2	15.4	.0	.0	14.1	100.0	39
06&09	1.6	1.6	29.5	45.9	14.8	6.6	.0	15.9	100.0	61
12&15	.0	.0	43.3	36.7	16.7	3.3	.0	14.8	100.0	30
18&21	.0	.0	32.5	42.5	17.5	7.5	.0	16.9	100.0	40
TOT	1	1	59	74	27	8	0	15.5		170
PCT	.6	.6	34.7	43.5	15.9	4.7	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	.8	.0	2.6	2.6		6.6
NE	.0	2.0	3.6	1.8		5.7
E	.0	3.6	7.1	2.6		5.9
SE	1.0	4.8	6.4	2.3		5.6
S	.0	9.4	4.1	3.8		5.0
SW	1.8	2.8	4.8	3.1		5.2
W	3.3	5.4	6.6	1.0		4.1
NW	1.3	2.6	5.6	3.3		5.5
VAR	.0	.0	.0	.0		.0
CALM	.0	.0	.0	.0		.0
TOT OBS	8	30	40	20	98	5.3
TOT PCT	8.2	30.6	40.8	20.4	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT,NH >4/8) AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

WND DIR	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	TOTAL OBS
N	.0	.0	.0	.8	1.8	1.0	.0	.0	.0	.0	2.3	
NE	.0	.0	.0	1.5	.5	1.0	.0	.0	.0	.0	4.3	
E	.0	.0	.0	.8	2.6	.0	.8	.0	.0	.0	9.2	
SE	.0	.0	2.0	1.3	3.6	.0	.5	.0	.0	.0	7.1	
S	.0	.0	1.0	.8	2.8	1.0	1.5	.0	.0	.0	10.2	
SW	.0	.0	.0	2.0	2.0	.3	.3	.0	.0	.0	7.9	
W	.0	.0	.0	.0	4.1	1.5	1.0	.0	.0	.0	9.7	
NW	.0	.0	1.0	2.0	1.0	1.3	.0	.0	.0	.0	7.4	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT OBS	0	0	4	9	18	6	4	0	0	0	57	98
TOT PCT	.0	.0	4.1	9.2	18.4	6.1	4.1	.0	.0	.0	58.2	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) = OR >10	= OR >5	= OR >2	= OR >1	= OR >1/2	= OR >1/4	= OR >50YD	= OR >0
= OR >6500	.0	.0	.0	.0	.0	.0	.0	.0
= OR >5000	.0	.0	.0	.0	.0	.0	.0	.0
= OR >3500	3.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
= OR >2000	9.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
= OR >1000	24.0	27.0	28.0	28.0	28.0	28.0	28.0	28.0
= OR >600	31.0	36.0	37.0	37.0	37.0	37.0	37.0	37.0
= OR >300	32.0	38.0	41.0	41.0	41.0	41.0	41.0	41.0
= OR >150	32.0	38.0	41.0	41.0	41.0	41.0	41.0	41.0
= OR > 0	32.0	38.0	41.0	41.0	41.0	41.0	41.0	41.0
TOTAL	32	38	41	41	41	41	41	41

TOTAL NUMBER OF OBS: 100

PCT FREQ NH <5/8: 59.0

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8 OBSCD	TOTAL OBS
1.9	8.7	17.5	13.6	16.5	12.6	2.9	15.5	10.7	.0	103

JUNE

PERIOD: (PRIMARY) 1926-1977
(OVER-ALL) 1889-1977

AREA 0023 NORFOLK ISLAND
28.9S 167.9E

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.7	.0	.0	.0	.7	
	TOT %	.0	.0	.0	.0	.0	.0	.7	.0	.0	.0	.7	
1<2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	PCP	.0	.7	.7	.0	.7	.0	.0	.0	.0	.0	2.0	
	NO PCP	.0	.0	.0	.7	.7	.0	.0	.0	.0	.0	1.3	
	TOT %	.0	.7	.7	.7	1.3	.0	.0	.0	.0	.0	3.3	
5<10	PCP	.0	.0	1.3	1.3	.0	1.3	2.7	2.0	.0	.7	9.3	
	NO PCP	2.7	1.0	2.0	2.2	2.8	7.8	6.0	1.5	.0	.0	26.0	
	TOT %	2.7	1.0	3.3	3.5	2.8	9.2	8.7	3.5	.0	.7	35.3	
10+	PCP	.0	.0	.5	.8	.0	.0	.0	.0	.0	.0	1.3	
	NO PCP	2.7	5.3	9.5	9.3	10.0	8.8	6.8	5.8	.0	.0	59.3	
	TOT %	2.7	5.3	10.0	10.2	10.0	8.8	6.8	6.8	.0	.0	60.7	
	TOT OBS												150
	TOT PCT	5.3	7.0	14.0	14.3	14.2	18.0	16.2	10.3	.0	.7	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.7	.0	.0		.7	
	TOT %	.0	.0	.0	.0	.0	.0	.7	.0	.0	.0	.7	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.3	.3	.7	.0	.0	.0		1.3	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.3	.3	.7	.0	.0	.0	.0	1.3	
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.7	.0	.7	.0	.0	.0	.0	.0		1.3	
	11-21	.0	.0	.0	.0	.7	.0	.0	.0	.0		.7	
	22+	.0	.0	.7	.7	.7	.0	.0	.0	.0		2.0	
	TOT %	.0	.7	.7	1.3	1.3	.0	.0	.0	.0	.0	3.9	
5<10	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	.7	
	4-10	.7	.0	2.0	2.0	.3	3.6	.0	1.3	.0		9.8	
	11-21	1.5	.8	1.0	1.0	2.0	4.4	1.6	.8	.0		13.1	
	22+	.5	.2	.3	.5	.5	1.0	6.9	1.3	.0		11.1	
	TOT %	2.6	1.0	3.3	3.4	2.8	9.0	8.5	3.4	.0	.7	34.6	
10+	0-3	.0	.7	.0	.0	.0	.0	.0	.0	.0	.0	.7	
	4-10	1.0	2.8	3.3	2.9	3.9	3.6	2.3	2.5	.0		22.2	
	11-21	1.0	1.8	5.9	6.4	5.9	3.1	2.5	3.6	.0		30.1	
	22+	.7	.0	.7	.7	.0	2.0	2.0	.7	.0		6.5	
	TOT %	2.6	5.2	9.8	10.0	9.8	8.7	6.7	6.7	.0	.0	59.5	
	TOT OBS												153
	TOT PCT	5.2	6.9	13.7	15.0	14.2	18.3	15.8	10.1	.0	.7	100.0	

JUNE

PERIOD: (PRIMARY) 1926-1977
(OVER-ALL) 1889-1977

AREA 0023 NORFOLK ISLAND
28.9S 167.9E

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET,NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00&03	.0	.0	2.6	7.7	17.9	7.7	.0	.0	.0	.0	35.9	64.1	39
06&09	.0	.0	8.0	16.0	16.0	4.0	4.0	.0	.0	.0	48.0	52.0	25
12&15	.0	.0	4.8	.0	9.5	9.5	.0	.0	.0	.0	23.8	76.2	21
18&21	.0	.0	.0	12.5	31.3	.0	18.8	.0	.0	.0	62.5	37.5	16
TOT	0	0	4	9	18	6	4	0	0	0	41	60	101
PCT	.0	.0	4.0	8.9	17.8	5.9	4.0	.0	.0	.0	40.6	59.4	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00&03	.0	.0	.0	2.6	7.7	89.7	39
06&09	.0	.0	1.9	.0	52.8	45.3	53
12&15	.0	.0	.0	18.5	18.5	63.0	27
18&21	.0	2.8	2.8	.0	47.2	47.2	36
TOT	0	1	2	6	53	93	155
PCT	.0	.6	1.3	3.9	34.2	60.0	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET,NH >4/8),BY HOUR

HOUR (GMT)	<150 <50YD	<600 <1	<1000 <3	1000+ AND5+	NH <5/8 AND 5+	TOTAL OBS
00&03	.0	2.6	10.3	25.6	64.1	39
06&09	.0	8.0	24.0	24.0	52.0	25
12&15	.0	5.0	10.0	15.0	75.0	20
18&21	.0	.0	12.5	50.0	37.5	16
TOT	0	4	14	27	59	100
PCT	.0	4.0	14.0	27.0	59.0	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
85/89	.8	.0	.0	.0	.0	.0	.0	.0	1	.8
75/79	.0	.0	.0	.0	.8	.0	.0	.0	1	.8
70/74	.0	.0	.0	2.3	2.3	4.5	6.1	3.8	25	18.9
65/69	.0	.0	.0	1.5	12.9	13.6	10.6	8.3	62	47.0
60/64	.0	.0	.0	2.3	6.1	8.3	9.8	5.3	42	31.8
55/59	.0	.0	.0	.0	.0	.0	.0	.8	1	.8
TOTAL	1	0	0	8	29	35	35	24	132	100.0
PCT	.8	.0	.0	6.1	22.0	26.5	26.5	18.2		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
.0	.8	.0	.0	.0	.0	.0	.0	.0	.0
.0	.0	.0	.0	.0	.8	.0	.0	.0	.0
1.1	1.9	1.9	2.7	.8	.4	8.3	1.9	.0	.0
5.1	8.6	6.1	4.2	6.6	11.0	3.2	6.4	.0	.8
.6	1.7	7.0	7.2	4.9	6.6	2.8	.9	.0	.0
.0	.0	.0	.0	.0	.8	.0	.0	.0	.0
6.8	8.0	15.0	14.0	12.3	19.5	14.4	9.3	.0	.8

TABLE 15

MEANS,EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00&03	77	76	73	69	64	63	63	68.5	40
06&09	86	85	74	65	61	59	59	66.3	61
12&15	82	81	81	66	62	62	62	67.1	29
18&21	70	69	69	65	61	60	60	65.4	40
TOT	86	82	73	66	62	60	59	66.8	170

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00&03	.0	8.8	35.3	14.7	32.4	8.8	74	34
06&09	2.3	6.8	15.9	29.5	27.3	18.2	76	44
12&15	.0	.0	37.5	20.8	16.7	25.0	78	24
18&21	.0	6.3	3.1	40.6	28.1	21.9	79	32
TOT	1	8	29	36	36	24	76	134

JUNE

PERIOD: (PRIMARY) 1926-1977
(OVER-ALL) 1889-1977

AREA 0023 NORFOLK ISLAND
29.9S 167.9E

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	57 60	61 64	65 68	69 72	73 76	77 80	81 84	85 88	TOT	W FOG	WO FOG
14/16	.0	.0	.0	.0	.0	.0	.0	1.0	1	.0	1.0
6	.0	.0	.0	.0	1.0	.0	.0	.0	1	.0	1.0
5	.0	.0	.0	.0	1.0	.0	.0	.0	1	.0	1.0
4	.0	.0	.0	1.0	.0	1.0	.0	.0	2	.0	1.9
3	.0	.0	1.0	1.0	.0	.0	.0	.0	2	.0	1.9
2	.0	.0	.0	5.8	1.0	.0	.0	.0	7	.0	6.8
1	.0	.0	1.9	2.9	1.0	.0	.0	.0	6	.0	5.8
0	.0	.0	2.9	4.9	.0	.0	.0	.0	8	.0	7.8
-1	.0	1.0	8.7	6.8	.0	.0	.0	.0	17	.0	16.5
-2	.0	3.9	6.8	3.9	.0	.0	.0	.0	15	.0	14.6
-3	.0	5.8	3.9	1.9	.0	.0	.0	.0	12	.0	11.7
-4	.0	1.9	4.9	.0	.0	.0	.0	.0	7	.0	6.8
-5	.0	3.9	5.8	.0	.0	.0	.0	.0	10	.0	9.7
-6	1.0	3.9	1.9	1.0	.0	.0	.0	.0	8	.0	7.8
-7/-8	.0	2.9	.0	.0	.0	.0	.0	.0	3	.0	2.9
-9/-10	.0	1.9	.0	.0	.0	.0	.0	.0	2	.0	1.9
-11/-13	1.0	.0	.0	.0	.0	.0	.0	.0	1	.0	1.0
TOTAL	2		26	39	30	4	1	0	1	103	0	103
PCT	1.9	25.2	37.9	29.1	3.9	1.0	.0	1.0	100.0		100.0

PERIOD: (OVER-ALL) 1963-1977

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	1.0	.0	.0	.0	.0	1.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	1.0	1.0	.0	.0	.0	2.1
5-6	.0	.0	1.4	.0	.0	.0	1.4
7	.0	.0	1.0	.0	.0	.0	1.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	2.1	3.5	.0	.0	.0	5.6

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	1.4	.0	.0	.0	.0	.0	1.4
1-2	.0	1.7	1.4	.0	.0	.0	3.1
3-4	.0	1.4	.3	.0	.0	.0	1.7
5-6	.0	.0	.3	.0	.0	.0	.3
7	.0	.0	.7	.0	.0	.0	.7
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.4	3.1	2.8	.0	.0	.0	7.3

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	2.4	.0	.0	.0	.0	2.4
1-2	.0	1.0	1.4	.0	.0	.0	2.4
3-4	.0	1.0	2.8	.0	.0	.0	3.8
5-6	.0	.0	1.0	1.4	.0	.0	2.4
7	.0	.0	1.0	.0	.0	.0	1.0
8-9	.0	.0	2.1	.0	.0	.0	2.1
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	4.5	8.3	1.4	.0	.0	14.2

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.7	.0	.0	.0	.0	.7
1-2	.0	1.4	1.7	.0	.0	.0	3.1
3-4	.0	1.7	2.8	.0	.0	.0	4.5
5-6	.0	.3	.0	.0	.0	.0	.3
7	.0	.0	2.8	1.4	.0	.0	4.2
8-9	.0	.0	.7	.0	.0	.0	.7
10-11	.0	.0	.0	.0	.3	.0	.3
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	4.2	8.0	1.4	.3	.0	13.9

PERIOD: (OVER-ALL) 1963-1977

JUNE

AREA 0023 NORFOLK ISLAND
28.9S 167.9E

TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

S

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	1.0	.0	.0	.0	.0	1.0
1-2	.0	1.4	1.0	.0	.0	.0	2.4
3-4	.0	2.4	4.2	.0	.0	.0	6.6
5-6	.0	1.0	5.2	.0	.0	.0	6.3
7	.0	.0	1.0	.0	.0	.0	1.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	1.4	1.0	.0	2.4
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	5.9	11.5	1.4	1.0	.0	19.8

SW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	1.7	.0	.0	.0	.0	1.7
3-4	.0	1.7	1.7	.0	.0	.0	3.5
5-6	.0	.0	2.1	.0	.0	.0	2.1
7	.0	.0	.7	.0	.0	.0	.7
8-9	.0	.0	.0	1.4	.0	.0	1.4
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	2.8	.0	.0	2.8
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	3.5	4.5	4.2	.0	.0	12.2

W

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	1.0	.0	.0	.0	.0	1.0
3-4	.0	2.8	1.0	.0	.0	.0	3.8
5-6	.0	.0	1.0	.0	.0	.0	1.0
7	.0	.0	1.0	.0	.0	.0	1.0
8-9	.0	.0	.0	1.4	.0	.0	1.4
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	1.4	.0	.0	1.4
13-16	.0	.0	.0	1.4	.0	.0	1.4
17-19	.0	.0	.0	1.4	.0	.0	1.4
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	3.8	3.1	5.6	.0	.0	12.5

NW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	.0	.3	.0	.0	.0	.0	.3	
1-2	.0	4.2	1.4	.0	.0	.0	5.6	
3-4	.0	.3	4.2	.0	.0	.0	4.5	
5-6	.0	.0	1.4	.0	.0	.0	1.4	
7	.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	1.4	.0	.0	.0	1.4	
10-11	.0	.0	.0	1.4	.0	.0	1.4	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.0	4.9	8.3	1.4	.0	.0	14.6	100.0

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	1.4	5.6	.0	.0	.0	.0	6.9	
1-2	.0	12.5	6.9	.0	.0	.0	19.4	
3-4	.0	12.5	18.1	.0	.0	.0	30.6	
5-6	.0	1.4	12.5	1.4	.0	.0	15.3	
7	.0	.0	8.3	1.4	.0	.0	9.7	
8-9	.0	.0	4.2	2.8	.0	.0	6.9	
10-11	.0	.0	.0	2.8	1.4	.0	4.2	
12	.0	.0	.0	1.4	.0	.0	1.4	
13-16	.0	.0	.0	4.2	.0	.0	4.2	
17-19	.0	.0	.0	1.4	.0		1.4	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	1.4	31.9	50.0	15.3	1.4	.0	100.0	72

PERIOD: (OVER-ALL) 1950-1977

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	.0	2.2	10.8	1.1	3.2	3.2	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	20	5
6-7	.0	.0	1.1	2.2	17.2	6.5	4.3	1.1	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	31	8
8-9	.0	.0	2.2	7.5	5.4	2.2	2.2	3.2	3.2	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	25	8
10-11	.0	.0	1.1	.0	2.2	4.3	.0	.0	1.1	1.1	1.1	1.1	.0	.0	.0	.0	.0	.0	.0	11	11
12-13	.0	.0	1.1	.0	.0	.0	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2	7
>13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
INDET	2.2	.0	1.1	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4	2
TOTAL	2	2	16	11	26	15	7	5	4	3	1	1	0	0	0	0	0	0	0	93	7
PCT	2.2	2.2	17.2	11.8	28.0	16.1	7.5	5.4	4.3	3.2	1.1	1.1	.0	.0	.0	.0	.0	.0	.0	100.0	

JULY

PERIOD: (PRIMARY) 1944-1977
(OVER-ALL) 1923-1977

AREA 0023 NORFOLK ISLAND
28.8S 167.9E

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

	PRECIPITATION TYPE									OTHER WEATHER PHENOMENA					
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
N	14.3	.0	.0	.0	.0	.0	.0	14.3	8.2	.0	.0	.0	.0	.0	.0	77.6
NE	13.8	.0	.0	.0	.0	.0	.0	13.8	.0	.0	.0	.0	.0	.0	.0	86.2
E	7.0	.0	3.5	.0	.0	.0	.0	7.0	.0	.0	.0	3.5	.0	.0	.0	89.6
SE	4.0	.0	8.1	.0	.0	.0	.0	12.1	9.1	.0	.0	.0	.0	.0	.0	78.8
S	2.9	2.9	.0	.0	.0	.0	.0	5.9	2.9	.0	.0	.0	.0	.0	.0	91.2
SW	13.3	6.7	.0	.0	.0	.0	.0	20.0	1.3	5.3	.0	.0	.0	.0	.0	73.3
W	3.2	8.5	.0	.0	.0	.0	.0	11.7	3.2	.0	.0	.0	.0	.0	.0	85.1
NW	2.3	27.3	.0	.0	.0	.0	.0	29.5	.0	9.1	.0	.0	.0	.0	.0	61.4
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	50.0	.0	.0	.0	.0	50.0
TOT PCT	6.8	4.3	1.9	.0	.0	.0	.0	12.4	3.1	1.2	.6	.6	.0	.0	.0	82.0
TOT OBS:	161															

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

	PRECIPITATION TYPE									OTHER WEATHER PHENOMENA					
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
00&03	7.3	.0	4.9	.0	.0	.0	.0	12.2	4.9	.0	.0	.0	.0	.0	.0	82.9
06&09	3.9	7.8	2.0	.0	.0	.0	.0	11.8	.0	.0	2.0	.0	.0	.0	.0	86.3
12&15	12.1	.0	.0	.0	.0	.0	.0	12.1	.0	6.1	.0	3.0	.0	.0	.0	78.8
18&21	4.9	7.3	.0	.0	.0	.0	.0	12.2	7.3	.0	.0	.0	.0	.0	.0	80.5
TOT PCT	6.6	4.2	1.8	.0	.0	.0	.0	12.0	3.0	1.2	.6	.6	.0	.0	.0	82.5
TOT OBS:	166															

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	WIND SPEED (KNOTS)									HOUR (GMT)							
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	.3	3.2	3.0	.9	.4	.0		7.8	14.5	2.3	.0	.0	20.5	7.6	.0	19.7	.0
NE	.1	4.5	1.9	2.2	1.1	.0		9.7	16.8	5.2	.0	9.6	2.3	18.9	.0	15.9	2.9
E	2.0	4.1	9.3	1.5	.5	.0		17.4	13.4	19.8	75.0	19.1	18.2	15.2	.0	17.4	10.3
SE	.5	6.6	5.7	1.8	.0	.0		14.6	12.0	22.7	25.0	18.4	11.4	3.8	50.0	6.8	22.1
S	1.6	4.1	7.6	1.5	.0	.0		14.7	12.1	18.0	.0	14.0	4.5	22.0	.0	10.6	17.6
SW	.0	3.9	5.8	1.5	.5	.0		11.8	15.5	10.5	.0	8.1	11.4	17.4	.0	9.8	17.6
W	.0	3.4	9.5	1.4	1.1	.0		15.3	16.0	14.3	.0	27.2	13.6	8.3	50.0	9.8	11.8
NW	.3	2.7	3.8	.1	.7	.0		7.6	15.4	5.2	.0	3.7	9.1	6.8	.0	9.8	17.6
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	1.1							1.1	.0	.0	.0	.0	9.1	.0	.0	.0	.0
TOT OBS	11	60	86	20	8	0	185		14.1	43	1	34	22	33	2	33	17
TOT PCT	5.9	32.4	46.5	10.8	4.3	.0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

	WIND SPEED (KNOTS)								HOUR (GMT)			
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	06 09	12 15	18 21
N	.8	4.6	1.6	.8	.0		7.8	14.5	2.3	8.0	7.1	13.0
NE	.7	4.7	2.7	1.6	.0		9.7	16.8	5.1	6.7	17.9	11.5
E	4.2	7.3	5.0	.9	.0		17.4	13.4	21.0	18.8	14.3	15.0
SE	5.4	5.7	2.8	.7	.0		14.6	12.0	22.7	15.6	6.4	12.0
S	3.2	7.4	4.1	.0	.0		14.7	12.1	17.6	10.3	20.7	13.0
SW	1.6	4.5	5.1	.5	.0		11.8	15.5	10.2	9.4	18.4	12.5
W	1.1	8.0	4.6	1.6	.0		15.3	16.0	13.9	21.9	10.7	10.5
NW	.3	4.3	2.2	.8	.0		7.6	15.4	5.1	5.8	6.4	12.5
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	1.1						1.1	.0	.0	3.6	.0	.0
TOT OBS	34	86	52	13	0	185		14.1	44	56	39	50
TOT PCT	18.4	46.5	28.1	7.0	.0		100.0		100.0	100.0	100.0	100.0

PERIOD: (PRIMARY) 1944-1977
(OVER-ALL) 1923-1977

AREA 0023 NORFOLK ISLAND
28.8S 167.9E

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	1-3	4-10	WIND SPEED (KNOTS) 11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00&03	.0	.0	27.3	54.5	11.4	6.8	.0	16.1	100.0	44
06&09	3.6	8.9	39.3	39.3	7.1	1.8	.0	11.3	100.0	56
12&15	.0	.0	20.0	57.1	17.1	5.7	.0	16.4	100.0	35
18&21	.0	8.0	38.0	40.0	10.0	4.0	.0	13.7	100.0	50
TOT	2	9	60	86	20	8	0	14.1		185
PCT	1.1	4.9	32.4	46.5	10.8	4.3	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	1.7	.9	2.1	3.2		5.7
NE	3.0	.2	2.8	2.6		4.9
E	3.6	4.5	5.6	3.0		4.8
SE	1.9	7.7	4.1	1.3		4.2
S	3.2	7.7	5.1	1.5		4.1
SW	2.1	4.9	2.4	1.3		4.0
W	5.8	3.2	5.1	3.2		4.2
NW	1.7	.0	2.8	1.9		3.9
VAR	.0	.0	.0	.0		.0
CALM	.0	.0	.0	.0		.0
TOT OBS	27	34	35	41	117	4.5
TOT PCT	23.1	29.1	29.9	17.9	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT,NH >4/8) AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

WND DIR	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	TOTAL OBS
N	.0	.0	.9	1.5	.6	.0	.9	.0	.0	.0	4.1	
NE	.0	.0	.0	2.6	.9	.0	.0	.0	.0	.0	5.1	
E	.9	.0	.9	3.2	.6	1.3	.0	.0	.0	.0	9.8	
SE	.9	.0	.0	.2	1.3	.4	.0	.0	.0	.0	12.2	
S	.0	.0	1.3	3.0	.6	.0	.0	.0	.0	.0	12.6	
SW	.2	.0	.4	1.3	.9	.0	.0	.0	.0	.0	7.9	
W	.6	.9	.9	1.7	2.6	.0	.0	.0	.0	.0	10.7	
NW	.0	.0	.0	1.9	1.9	.0	.0	.0	.0	.0	2.6	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT OBS	3	1	5	18	11	2	1	0	0	0	76	117
TOT PCT	2.6	.9	4.3	15.4	9.4	1.7	.9	.0	.0	.0	65.0	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) * OR >10	* OR >5	* OR >2	* OR >1	* OR >1/2	* OR >1/4	* OR >50YD	* OR >0
* OR >6500	.0	.0	.0	.0	.0	.0	.0	.0
* OR >5000	.0	.0	.0	.0	.0	.0	.0	.0
* OR >3500	.8	.8	.8	.8	.8	.8	.8	.8
* OR >2000	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
* OR >1000	8.3	9.1	10.7	11.6	11.6	11.6	11.6	11.6
* OR >600	14.9	20.7	23.1	25.6	26.4	26.4	26.4	26.4
* OR >300	18.2	24.0	27.3	29.8	30.6	30.6	30.6	30.6
* OR >150	18.2	24.0	27.3	30.6	31.4	31.4	31.4	31.4
* OR > 0	18.2	24.8	28.1	32.2	33.1	33.9	33.9	33.9
TOTAL	22	30	34	39	40	41	41	41

TOTAL NUMBER OF OBS: 121

PCT FREQ NH <5/8: 66.1

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	OBSCD	TOTAL OBS
1.5	10.8	24.6	20.0	8.5	8.5	5.4	6.2	13.1	1.5	130

JULY

PERIOD: (PRIMARY) 1944-1977
(OVER-ALL) 1923-1977

AREA 0023 NORFOLK ISLAND
28.8S 167.9E

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
	PCP	.0	.0	.0	.0	.0	.2	.5	.0	.0	.0	.6	
<1/2	NO PCP	.0	.0	.6	.0	.0	.0	.0	.0	.0	.0	.6	
	TOT %	.0	.0	.6	.0	.0	.2	.5	.0	.0	.0	1.2	
	PCP	.0	.0	.0	.0	.0	.6	.0	.0	.0	.0	.6	
1/2<1	NO PCP	.0	.0	.0	.0	.0	.0	.6	.0	.0	.6	1.2	
	TOT %	.0	.0	.0	.0	.0	.6	.6	.0	.0	.6	1.9	
	PCP	.0	.0	.0	.0	.0	.6	.6	.0	.0	.0	1.2	
1<2	NO PCP	.0	.0	.6	.0	.0	.0	.6	.6	.0	.0	1.9	
	TOT %	.0	.0	.6	.0	.0	.6	1.2	.6	.0	.0	3.1	
	PCP	.5	.0	.6	.0	.0	.0	.0	.8	.0	.0	1.9	
2<5	NO PCP	.0	.0	.0	.0	.5	.9	.5	.0	.0	.0	1.9	
	TOT %	.5	.0	.6	.0	.5	.9	.5	.8	.0	.0	3.7	
	PCP	.0	1.2	.6	.6	.5	.2	.0	1.2	.0	.0	4.3	
5<10	NO PCP	1.9	2.5	4.2	2.0	1.9	2.3	1.7	.9	.0	.6	17.4	
	TOT %	1.9	3.7	4.8	2.6	2.3	2.5	1.7	1.6	.0	.6	21.7	
	PCP	.6	.0	.0	1.2	.5	.8	.6	.0	.0	.0	3.7	
10+	NO PCP	4.7	5.3	11.2	11.5	12.6	6.1	9.5	3.9	.0	.0	64.6	
	TOT %	5.3	5.3	11.2	12.7	13.0	6.8	10.1	3.9	.0	.0	68.3	
	TOT OBS												161
	TOT PCT	7.6	9.0	17.9	15.4	15.8	11.6	14.6	6.8	.0	1.2	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
<1/2	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.6	.0	.0	.0	.0	.0	.0		.6	
	22+	.0	.0	.0	.0	.0	.2	.5	.0	.0		.6	
	TOT %	.0	.0	.6	.0	.0	.2	.5	.0	.0	.0	1.2	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	.6	
1/2<1	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.6	.0	.0	.0		.6	
	22+	.0	.0	.0	.0	.0	.0	.6	.0	.0		.6	
	TOT %	.0	.0	.0	.0	.0	.6	.6	.0	.0	.6	1.9	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	4-10	.0	.0	.6	.0	.0	.0	.6	.0	.0		1.2	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.6	.6	.6	.0		1.9	
	TOT %	.0	.0	.6	.0	.0	.6	1.2	.6	.0	.0	3.1	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	4-10	.0	.0	.0	.0	.0	.8	.5	.0	.0		1.2	
	11-21	.0	.0	.6	.0	.0	.0	.0	.6	.0		1.2	
	22+	.5	.0	.0	.0	.5	.2	.0	.2	.0		1.2	
	TOT %	.5	.0	.6	.0	.5	.9	.5	.8	.0	.0	3.7	
	0-3	.0	.0	.6	.0	1.2	.0	.0	.0	.0	.6	2.5	
5<10	4-10	1.2	.6	1.9	.6	.6	.8	.5	.6	.0		6.8	
	11-21	.6	.0	1.2	.6	.5	1.7	.6	.9	.0		6.2	
	22+	.0	3.1	1.1	1.4	.0	.0	.6	.0	.0		6.2	
	TOT %	1.9	3.7	4.8	2.6	2.3	2.5	1.7	1.5	.0	.6	21.6	
	0-3	.3	.2	1.1	.6	.0	.0	.0	.3	.0	.0	2.5	
10+	4-10	2.5	2.5	1.7	5.7	4.0	2.0	1.4	1.9	.0		21.6	
	11-21	2.3	2.0	7.1	5.7	7.7	3.4	8.2	1.9	.0		38.3	
	22+	.5	.6	1.2	.6	1.2	1.4	.5	.2	.0		6.2	
	TOT %	5.6	5.2	11.1	12.7	13.0	6.8	10.0	4.2	.0	.0	68.5	
	TOT OBS												162
	TOT PCT	7.9	9.0	17.7	15.3	15.7	11.6	14.5	7.1	.0	1.2	100.0	

JULY

PERIOD: (PRIMARY) 1944-1977
(OVER-ALL) 1923-1977

AREA 0023 NORFOLK ISLAND
28.8S 167.9E

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET,NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00&03	2.6	.0	5.3	10.5	7.9	2.6	.0	.0	.0	.0	28.9	71.1	38
06&09	3.2	3.2	3.2	12.9	9.7	.0	.0	.0	.0	.0	32.3	67.7	31
12&15	3.3	.0	.0	20.0	10.0	.0	.0	.0	.0	.0	33.3	66.7	30
18&21	.0	.0	7.4	14.8	7.4	3.7	3.7	.0	.0	.0	37.0	63.0	27
TOT	3	1	5	18	11	2	1	0	0	0	41	85	126
PCT	2.4	.8	4.0	14.3	8.7	1.6	.8	.0	.0	.0	32.5	67.5	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00&03	2.4	2.4	2.4	2.4	14.6	75.6	41
06&09	.0	1.9	3.8	5.8	34.6	53.8	52
12&15	3.0	3.0	.0	6.1	12.1	75.8	33
18&21	.0	.0	4.9	.0	22.0	73.2	41
TOT	2	3	5	6	37	114	167
PCT	1.2	1.8	3.0	3.6	22.2	68.3	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET,NH >4/8),BY HOUR

HOUR (GMT)	<150 <5000	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL OBS
00&03	2.6	7.9	18.4	10.5	71.1	38
06&09	3.4	10.3	27.6	6.9	65.5	29
12&15	3.7	7.4	33.3	7.4	59.3	27
18&21	.0	7.4	25.9	11.1	63.0	27
TOT	3	10	31	11	79	121
PCT	2.5	8.3	25.6	9.1	65.3	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
75/79	.0	.0	.0	.0	.0	.0	.0	.7	1	.7
70/74	.0	.0	.0	.0	.7	.0	2.6	.7	6	3.9
65/69	.0	.0	.0	.7	9.8	8.5	11.8	13.1	67	43.8
60/64	.0	.0	.0	1.3	13.7	15.0	9.2	9.8	75	49.0
55/59	.0	.0	.0	.7	.0	.0	.7	1.3	4	2.6
TOTAL	0	0	0	4	37	36	37	39	153	100.0
PCT	.0	.0	.0	2.6	24.2	23.5	24.2	25.5		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
.7	.0	.0	.0	.0	.0	.0	.0	.0	.0
.0	.7	2.0	.0	.7	.0	.7	.0	.0	.0
3.6	7.2	5.4	5.4	4.6	3.9	6.5	7.2	.0	.0
.0	2.0	9.8	10.1	10.8	7.8	7.7	.8	.0	.0
.7	.0	.7	.0	1.1	.2	.0	.0	.0	.0
4.9	9.8	17.8	15.5	17.2	11.9	14.9	8.0	.0	.0

TABLE 15

MEANS,EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00&03	71	70	70	66	62	60	60	65.9	43
06&09	77	76	70	64	61	60	60	64.8	59
12&15	77	76	70	63	59	58	58	64.2	35
18&21	69	68	68	64	58	55	55	63.8	49
TOT	77	72	70	64	60	58	55	64.7	186

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00&03	.0	.0	28.9	18.4	34.2	18.4	78	38
06&09	.0	4.0	18.0	36.0	16.0	26.0	79	50
12&15	.0	.0	22.6	32.3	12.9	32.3	80	31
18&21	.0	5.3	26.3	7.9	31.6	28.9	79	38
TOT	0	4	37	38	37	41	79	157

JULY

PERIOD: (PRIMARY) 1944-1977
(OVER-ALL) 1923-1977

AREA 0023 NORFOLK ISLAND
28.8S 167.9E

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	53 56	57 60	61 64	65 68	69 72	73 76	77 80	TOT	W FOG	WO FOG
11/13	.0	.0	.0	.0	.0	.8	.8	2	.0	1.6
9/10	.0	.0	.0	.0	.0	.8	.0	1	.0	.8
7/8	.0	.0	.0	.0	.8	.0	.8	2	.0	1.6
5	.0	.0	.0	.8	.0	.0	.0	1	.0	.8
4	.0	.0	.0	.0	2.4	.0	.0	3	.0	2.4
3	.0	.0	.0	.8	1.6	.0	.0	3	.0	2.4
2	.0	.0	.0	2.4	.0	.0	.0	3	.0	2.4
1	.0	.0	.0	4.0	.0	.0	.0	5	.0	4.0
0	.0	.0	3.2	8.0	1.6	.0	.0	16	.0	12.8
-1	.0	.0	.8	4.8	.0	.0	.0	7	.0	5.6
-2	.0	.0	7.2	6.4	.8	.0	.0	18	.0	14.4
-3	.0	.0	1.6	6.4	.0	.0	.0	10	.8	7.2
-4	.0	.0	5.6	2.4	.0	.0	.0	10	.0	8.0
-5	.0	.8	13.6	2.4	.0	.0	.0	21	.0	16.8
-6	.0	.8	4.8	.8	.0	.0	.0	8	.0	6.4
-7/-8	.8	.8	4.0	.8	.0	.0	.0	8	.0	6.4
-9/-10	.0	2.4	2.4	.0	.0	.0	.0	6	.0	4.8
-11/-13	.0	.8	.0	.0	.0	.0	.0	1	.0	.8
TOTAL	1	7	54	50	9	2	2	125	1	124
PCT	.8	5.6	43.2	40.0	7.2	1.6	1.6	100.0	.8	99.2

PERIOD: (OVER-ALL) 1963-1977

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	1.1	1.1	.0	.0	.0	2.3
3-4	.0	.0	2.0	.0	.0	.0	2.0
5-6	.0	1.1	.0	.0	.0	.0	1.1
7	.0	.0	.0	.9	.0	.0	.9
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	2.3	3.1	.9	.0	.0	6.3

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.3	.0	.0	.0	.0	.3
1-2	.0	.3	.0	.0	.0	.0	.3
3-4	.0	.0	2.6	.0	.0	.0	2.6
5-6	.0	.0	1.1	.0	.0	.0	1.1
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	1.1	.0	.0	1.1
10-11	.0	.0	.0	1.1	1.1	.0	2.3
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.6	3.7	2.3	1.1	.0	7.7

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.9	.0	.0	.0	.0	.9
1-2	.0	.9	.0	.0	.0	.0	.9
3-4	.0	.9	2.3	.0	.0	.0	3.1
5-6	.0	.0	4.5	1.1	.0	.0	5.7
7	.0	.0	5.4	1.1	.0	.0	6.5
8-9	.0	.0	.9	.0	.0	.0	.9
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.9	.0	.0	.9
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	2.6	13.1	3.1	.0	.0	18.8

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	3.4	.0	.0	.0	.0	3.4
3-4	1.1	1.4	4.8	.0	.0	.0	7.4
5-6	.0	.0	.0	2.3	.0	.0	2.3
7	.0	.0	.3	1.1	.0	.0	1.4
8-9	.0	.0	.3	.0	.0	.0	.3
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.3	.0	.0	.3
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.1	4.8	5.4	3.7	.0	.0	15.1

PERIOD: (OVER-ALL) 1963-1977

JULY

AREA 0023 NORFOLK ISLAND
28.8S 167.9E

TABLE 1a (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

S

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	1.1	.0	.0	.0	.0	1.1
1-2	.0	2.0	.0	.0	.0	.0	2.0
3-4	.0	2.0	6.3	.0	.0	.0	8.2
5-6	.0	.0	2.0	.0	.0	.0	2.0
7	.0	.0	.9	2.3	.0	.0	3.1
8-9	.0	.0	2.0	.0	.0	.0	2.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.9	.0	.0	.9
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	5.1	11.1	3.1	.0	.0	19.3

SW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	2.3	.0	.0	.0	.0	2.3
1-2	.0	.3	.0	.0	.0	.0	.3
3-4	.0	1.4	2.0	.0	.0	.0	3.4
5-6	.0	.0	.6	.3	.0	.0	.9
7	.0	.0	.3	.3	.0	.0	.6
8-9	.0	.0	1.4	1.1	.0	.0	2.6
10-11	.0	.0	1.1	.0	.0	.0	1.1
12	.0	.0	.0	.3	.0	.0	.3
13-16	.0	.3	.0	.0	.0	.0	.3
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	4.3	5.4	2.0	.0	.0	11.6

W

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	2.3	2.3	.0	.0	.0	4.5
3-4	.0	.0	2.8	.0	.0	.0	2.8
5-6	.0	.0	4.3	.9	.0	.0	5.1
7	.0	.0	2.3	.9	.0	.0	3.1
8-9	.0	.0	1.1	.0	.0	.0	1.1
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.9	.0	.0	.0	.0	.9
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	3.1	12.8	1.7	.0	.0	17.6

NW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	.0	.0	.0	.0	.0	.0	.0	
1-2	.0	.0	.0	.0	.0	.0	.0	
3-4	.0	1.1	2.3	.0	.0	.0	3.4	
5-6	.0	.0	.0	.0	.0	.0	.0	
7	.0	.0	.0	.3	.0	.0	.3	
8-9	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.0	1.1	2.3	.3	.0	.0	3.7	100.0

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	1.1	4.5	.0	.0	.0	.0	5.6	
1-2	.0	10.1	3.4	.0	.0	.0	13.5	
3-4	1.1	6.7	24.7	.0	.0	.0	32.6	
5-6	.0	1.1	12.4	4.5	.0	.0	18.0	
7	.0	.0	9.0	6.7	.0	.0	15.7	
8-9	.0	.0	5.6	2.2	.0	.0	7.9	
10-11	.0	.0	1.1	1.1	1.1	.0	3.4	
12	.0	.0	.0	2.2	.0	.0	2.2	
13-16	.0	1.1	.0	.0	.0	.0	1.1	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
								89
TOT PCT	2.2	23.6	56.2	16.9	1.1	.0	100.0	

PERIOD: (OVER-ALL) 1952-1977

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	.9	.9	6.4	5.5	1.8	.0	.0	.0	1.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	19	5
6-7	.0	.0	4.6	3.7	8.3	5.5	4.6	2.8	3.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	36	8
8-9	.0	.0	.0	3.7	10.1	3.7	4.6	2.8	7.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	35	9
10-11	.0	.0	.0	1.8	3.7	2.8	.9	.0	1.8	.0	.9	.0	.0	.0	.0	.0	.0	.0	.0	13	9
12-13	.0	.0	.0	.0	.0	.0	.0	.0	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	13
>13	.0	.0	.0	.0	1.8	.0	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3	8
INDET	.9	.0	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2	2
TOTAL	2	1	13	16	28	13	12	6	17	0	1	0	0	0	0	0	0	0	0	109	8
PCT	1.8	.9	11.9	14.7	25.7	11.9	11.0	5.5	15.6	.0	.9	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

AUGUST

PERIOD: (PRIMARY) 1927-1977
(OVER-ALL) 1899-1977

AREA 0023 NORFOLK ISLAND
28.9S 167.9E

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

	PRECIPITATION TYPE									OTHER WEATHER PHENOMENA					
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
N	16.2	.0	.0	.0	.0	.0	10.8	27.0	8.1	.0	.0	.0	.0	.0	.0	64.9
NE	20.8	7.5	.0	.0	.0	.0	.0	28.3	9.4	.0	.0	.0	.0	.0	.0	62.3
E	5.3	2.7	.0	.0	.0	.0	.0	8.0	.0	.0	.0	.0	.0	.0	.0	92.0
SE	2.4	2.4	4.7	.0	.0	.0	.0	9.4	4.7	.0	.0	.0	.0	.0	.0	85.9
S	.0	3.4	.0	.0	.0	.0	.0	3.4	.0	.0	.0	.0	.0	.0	.0	96.6
SW	.0	1.9	.0	.0	.0	.0	.0	1.9	3.9	.0	.0	.0	.0	.0	1.9	92.2
W	.0	7.0	.0	.0	.0	.0	.0	7.0	.0	.0	.0	.0	.0	.0	14.0	79.0
NW	9.6	1.9	.0	.0	.0	.0	.0	11.5	.0	.0	.0	.0	.0	.0	.0	88.5
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
TOT PCT	4.9	3.5	.7	.0	.0	.0	.7	9.7	2.8	.0	.0	.0	.0	.0	2.8	84.7
TOT OBS:	144															

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

	PRECIPITATION TYPE									OTHER WEATHER PHENOMENA					
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
00603	6.3	6.3	.0	.0	.0	.0	.0	12.5	3.1	.0	.0	.0	.0	3.1		81.3
06609	2.0	2.0	.0	.0	.0	.0	2.0	6.0	4.0	.0	.0	.0	.0	.0		90.0
12615	10.7	3.6	.0	.0	.0	.0	.0	14.3	.0	.0	.0	.0	.0	3.6		82.1
18621	2.9	2.9	2.9	.0	.0	.0	.0	8.8	2.9	.0	.0	.0	.0	5.9		82.4
TOT PCT	4.9	3.5	.7	.0	.0	.0	.7	9.7	2.8	.0	.0	.0	.0	2.8		84.7
TOT OBS:	144															

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	WIND SPEED (KNOTS)									HOUR (GMT)							
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	.6	1.6	2.2	2.0	.0	.0		6.4	14.8	5.0	.0	.0	13.8	13.7	.0	4.8	.0
NE	.6	3.5	3.4	1.0	.0	.0		8.5	12.6	9.3	.0	6.1	11.2	10.5	.0	3.6	9.1
E	1.6	3.4	5.8	1.0	.0	.0		11.8	11.9	10.7	.0	6.1	7.8	12.9	.0	27.4	11.4
SE	.3	5.4	8.5	.1	.0	.0		14.3	12.6	15.7	.0	22.0	5.2	16.9	.0	16.7	6.8
S	.9	4.8	5.6	1.9	.0	.0		13.2	13.2	11.4	.0	15.9	16.4	4.8	.0	3.6	28.4
SW	.9	3.4	8.0	6.1	.0	.0		18.4	16.7	24.3	.0	20.5	17.2	9.7	.0	16.7	21.6
W	1.0	2.9	6.9	3.5	1.8	.0		16.1	16.9	12.1	.0	16.7	18.1	19.4	.0	16.7	13.6
NW	.6	3.1	4.1	1.8	.0	.0		9.5	14.4	11.4	.0	6.8	10.3	8.9	.0	10.7	9.1
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	1.8							1.8	.0	.0	.0	6.1	.0	3.2	.0	.0	.0
TOT OBS	14	48	76	30	3	0	171		14.1	35	0	33	29	31	0	21	22
TOT PCT	8.2	28.1	44.4	17.5	1.8	.0		100.0		100.0	.0	100.0	100.0	100.0	.0	100.0	100.0

TABLE 3A

	WIND SPEED (KNOTS)								HOUR (GMT)			
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	06 09	12 15	18 21
N	1.2	3.2	1.2	.9	.0		6.4	14.8	5.0	6.5	13.7	2.3
NE	1.8	5.1	.6	1.0	.0		8.5	12.6	9.3	8.5	10.5	6.4
E	3.4	6.0	2.0	.4	.0		11.8	11.9	10.7	6.9	12.9	19.2
SE	2.0	8.2	4.1	.0	.0		14.3	12.6	15.7	14.1	16.9	11.6
S	3.4	5.6	3.5	.7	.0		13.2	13.2	11.4	16.1	4.8	16.3
SW	2.5	7.5	6.3	2.2	.0		18.4	16.7	24.3	19.0	9.7	19.2
W	2.2	6.4	5.7	1.8	.0		16.1	16.9	12.1	17.3	19.4	15.1
NW	.6	5.4	3.5	.0	.0		9.5	14.4	11.4	8.5	8.9	9.9
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	1.8						1.8	.0	.0	3.2	3.2	.0
TOT OBS	32	81	46	12	0	171		14.1	35	62	31	43
TOT PCT	18.7	47.4	26.9	7.0	.0		100.0		100.0	100.0	100.0	100.0

AUGUST

PERIOD: (PRIMARY) 1927-1977
(OVER-ALL) 1899-1977

AREA 0023 NORFOLK ISLAND
28.9S 167.9E

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS) 1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00-03	.0	8.6	17.1	37.1	34.3	2.9	.0	17.5	100.0	35
06-09	3.2	1.6	30.6	46.8	16.1	1.6	.0	14.0	100.0	62
12-15	3.2	12.9	25.8	41.9	16.1	.0	.0	12.6	100.0	31
18-21	.0	7.0	34.9	48.8	7.0	2.3	.0	12.7	100.0	43
TOT	3	11	48	76	30	3	0	14.1		171
PCT	1.8	6.4	28.1	44.4	17.5	1.8	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	.0	.0	2.0	2.2		7.0
NE	2.0	3.0	2.0	2.0		4.7
E	2.0	2.7	6.4	2.2		5.0
SE	5.2	3.2	5.9	2.2		4.4
S	3.5	1.7	3.2	.0		3.4
SW	6.9	5.7	5.7	1.0		3.6
W	5.9	5.4	4.2	1.0		3.8
NW	3.2	2.0	3.2	1.2		4.3
VAR	.0	.0	.0	.0		.0
CALM	2.0	.0	1.0	.0		3.0
TOT OBS	31	24	34	12	101	4.2
TOT PCT	30.7	23.8	33.7	11.9	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT,NH >4/8) AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	TOTAL OBS
N	.0	.0	.0	.7	1.0	1.5	.0	.0	.0	.0	1.0	
NE	.0	.0	.5	.2	1.0	.2	.0	.0	.0	.0	6.9	
E	.0	.0	.5	1.0	2.7	1.7	.0	.0	.0	.0	7.4	
SE	.0	.0	1.0	.0	4.5	1.5	.0	.0	.0	.0	9.7	
S	.0	.0	.0	.7	.7	.7	1.0	.0	.0	.0	5.2	
SW	.0	.0	.0	1.5	2.2	2.0	1.0	.0	.0	.0	12.6	
W	.0	.0	.0	1.5	.7	.0	.0	.0	.0	.0	14.4	
NW	.0	.0	.0	.2	4.0	.2	.0	.0	.0	.0	5.2	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.0	.0	.0	1.0	.0	.0	.0	.0	.0	2.0	
TOT OBS	0	0	2	6	18	8	2	0	0	0	65	101
TOT PCT	.0	.0	2.0	5.9	17.8	7.9	2.0	.0	.0	.0	64.4	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) = OR >10	= OR >5	= OR >2	= OR >1	= OR >1/2	= OR >1/4	= OR >50YD	= OR >0
= OR >6500	.0	.0	.0	.0	.0	.0	.0	.0
= OR >5000	.0	.0	.0	.0	.0	.0	.0	.0
= OR >3500	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
= OR >2000	8.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9
= OR >1000	21.8	26.7	26.7	27.7	27.7	27.7	27.7	27.7
= OR >600	26.7	32.7	32.7	33.7	33.7	33.7	33.7	33.7
= OR >300	27.7	34.7	34.7	35.6	35.6	35.6	35.6	35.6
= OR >150	27.7	34.7	34.7	35.6	35.6	35.6	35.6	35.6
= OR > 0	27.7	34.7	34.7	35.6	35.6	35.6	35.6	35.6
TOTAL	28	35	35	36	36	36	36	36

TOTAL NUMBER OF OBS: 101 PCT FREQ NH <5/8: 64.4

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8 OBSCD	TOTAL OBS
2.9	14.4	18.3	10.6	16.3	14.4	7.7	2.9	12.5 .0	104

AUGUST

PERIOD: (PRIMARY) 1927-1977
(OVER-ALL) 1895-1977

AREA 0023 NORFOLK ISLAND
28.9S 167.9E

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	
	TOT %	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	
2<5	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
5<10	PCP	1.7	1.2	.7	1.0	.0	.0	.7	.9	.0	.0	6.3	
	NO PCP	1.4	2.1	1.7	1.2	4.2	5.0	5.2	2.8	.9	.0	23.6	
	TOT %	3.1	3.3	2.4	2.3	4.2	5.0	5.9	3.6	.0	.0	29.9	
10+	PCP	.0	1.4	.3	.3	.3	.3	.5	.2	.0	.0	3.5	
	NO PCP	2.6	4.5	10.2	12.2	5.7	12.5	10.9	5.2	.0	2.1	66.0	
	TOT %	2.6	5.9	10.6	12.5	6.1	12.8	11.5	5.4	.0	2.1	69.4	
	TOT OBS												144
	TOT PCT	6.4	9.2	13.0	14.8	10.2	17.9	17.4	9.0	.0	2.1	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.7	.0	.0	.0	.0	.0	.0	.0	.0		.7	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
5<10	0-3	.0	.0	.7	.0	.0	.0	.0	.0	.0	.0	.7	
	4-10	.7	2.1	.0	.7	1.7	1.7	.0	1.4	.0		8.3	
	11-21	1.2	.3	1.7	1.6	2.4	3.3	1.7	1.6	.0		13.8	
	22+	1.2	.9	.0	.0	.0	.0	4.1	.7	.0		6.9	
	TOT %	3.1	3.3	2.4	2.2	4.1	5.0	5.9	3.6	.0	.0	29.7	
10+	0-3	.7	.7	1.2	.3	1.0	1.0	1.2	.7	.0	2.1	9.0	
	4-10	.0	2.1	4.0	5.7	1.4	2.1	3.4	1.4	.0		20.0	
	11-21	.7	2.8	4.1	6.2	3.1	2.9	5.2	2.6	.0		27.6	
	22+	1.2	.3	1.2	.2	1.2	6.7	1.6	.7	.0		13.1	
	TOT %	2.6	5.9	10.5	12.4	6.7	12.8	11.4	5.3	.0	2.1	69.7	
	TOT OBS												145
	TOT PCT	6.4	9.1	12.9	14.7	10.9	17.8	17.2	9.0	.0	2.1	100.0	

AUGUST

PERIOD: (PRIMARY) 1927-1977
(OVER-ALL) 1899-1977

AREA 0023 NORFOLK ISLAND
29.9S 167.9E

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET,NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00&03	.0	.0	.0	3.1	21.9	9.4	3.1	.0	.0	.0	37.5	62.5	32
06&09	.0	.0	3.7	3.7	11.1	7.4	3.7	.0	.0	.0	29.6	70.4	27
12&15	.0	.0	.0	8.0	12.0	12.0	.0	.0	.0	.0	32.0	68.0	25
18&21	.0	.0	5.9	11.8	29.4	.0	.0	.0	.0	.0	47.1	52.9	17
TOT	0	0	2	6	18	8	2	0	0	0	36	65	101
PCT	.0	.0	2.0	5.9	17.8	7.9	2.0	.0	.0	.0	35.6	64.4	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00&03	.0	.0	3.1	.0	9.4	87.5	32
06&09	.0	.0	.0	.0	42.0	58.0	50
12&15	.0	.0	.0	.0	14.3	85.7	28
18&21	.0	.0	.0	.0	42.9	57.1	35
TOT	0	0	1	0	43	101	145
PCT	.0	.0	.7	.0	29.7	69.7	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET,NH >4/8),BY HOUR

HOUR (GMT)	<150 <50VSBY	<600 <1	<1000 <3	1000+ AND3+	NH <5/8 AND 5+	TOTAL OBS
00&03	.0	.0	6.3	31.3	62.5	32
06&09	.0	3.7	7.4	22.2	70.4	27
12&15	.0	.0	8.0	24.0	68.0	25
18&21	.0	5.9	17.6	29.4	52.9	17
TOT	0	2	9	27	65	101
PCT	.0	2.0	8.9	26.7	64.4	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
80/84	.0	.0	.0	.0	.0	.7	.0	.0	1	.7
70/74	.0	.0	.0	.7	.7	.0	.0	.0	2	1.4
65/69	.0	.0	.0	1.4	8.8	7.4	11.5	4.1	49	33.1
60/64	.0	.0	.0	4.1	20.9	19.6	10.8	7.4	93	62.8
55/59	.0	.0	.0	.0	.0	1.4	.7	.0	3	2.0
TOTAL	0	0	0	9	45	43	34	17	148	100.0
PCT	.0	.0	.0	6.1	30.4	29.1	23.0	11.5		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
.0	.0	.0	.0	.0	.0	.0	.0	.0	.7
.0	.0	.0	.0	.5	.2	.0	.7	.0	.0
4.4	4.2	1.4	2.9	2.4	2.9	7.1	7.3	.0	.7
3.0	5.6	10.6	8.6	8.3	16.7	6.9	3.0	.0	.0
.0	.0	.0	2.0	.0	.0	.0	.0	.0	.0
7.4	9.8	12.0	13.5	11.1	19.8	14.0	11.0	.0	1.4

TABLE 15

MEANS,EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00&03	70	69	69	65	60	58	58	64.6	33
06&09	71	70	68	64	61	60	60	64.1	61
12&15	82	81	58	64	56	55	55	63.7	31
18&21	66	65	55	62	59	58	58	62.2	43
TOT	82	71	68	64	60	56	55	63.0	168

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00&03	.0	6.3	43.8	25.0	12.5	12.5	72	32
06&09	.0	7.7	28.8	30.8	17.3	15.4	74	52
12&15	.0	.0	27.6	31.0	37.9	3.4	76	29
18&21	.0	8.6	22.9	28.6	28.6	11.4	77	35
TOT	0	9	45	43	34	17	75	148

AUGUST

PERIOD: (PRIMARY) 1927-1977
(OVER-ALL) 1899-1977

AREA 0023 NORFOLK ISLAND
28.9S 167.9E

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	53 56	57 60	61 64	65 68	69 72	73 76	77 80	81 84	TOT	W FOG	WO FOG
14/16	.0	.0	.0	.0	.0	.9	.9	.0	2	.0	1.8
11/13	.0	.0	.0	.0	.0	.9	.0	.9	2	.0	1.8
5	.0	.0	.0	.9	.0	.0	.0	.0	1	.0	.9
4	.0	.0	.0	.9	.9	.0	.0	.0	2	.0	1.8
3	.0	.0	.0	.9	2.7	.0	.0	.0	4	.0	3.6
2	.0	.0	.0	2.7	.0	.0	.0	.0	3	.0	2.7
1	.0	.0	.0	3.6	.0	.0	.0	.0	4	.0	3.6
0	.0	.0	4.5	6.4	.0	.0	.0	.0	12	.0	10.0
-1	.0	.9	3.6	8.2	.0	.0	.0	.0	14	.0	12.7
-2	.0	.9	8.2	2.7	.0	.0	.0	.0	13	.0	11.8
-3	.0	.0	8.2	4.5	.0	.0	.0	.0	14	.0	12.7
-4	.0	.9	12.7	.9	.0	.0	.0	.0	16	.0	14.5
-5	.0	.9	8.2	.0	.0	.0	.0	.0	10	.0	9.1
-6	.0	1.8	.0	.0	.0	.0	.0	.0	2	.0	1.8
-7/-8	.0	1.8	3.6	.0	.0	.0	.0	.0	6	.0	5.5
-9/-10	.9	1.8	.9	.0	.0	.0	.0	.0	4	.0	3.6
-11/-13	.9	.0	.0	.0	.0	.0	.0	.0	1	.0	.9
TOTAL	2	10	55	35	4	2	1	1	110	0	110
PCT	1.8	9.1	50.0	31.8	3.6	1.8	.9	.9	100.0		100.0

PERIOD: (OVER-ALL) 1963-1977

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	1.4	.0	.0	.0	.0	1.4
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	1.0	.0	.0	.0	1.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	1.4	.0	.0	1.4
8-9	.0	.0	.0	1.0	.0	.0	1.0
10-11	.0	.0	.0	1.0	.0	.0	1.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	1.4	1.0	3.4	.0	.0	5.7

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	1.4	1.4	.0	.0	.0	2.7
3-4	.0	.0	2.7	.0	.0	.0	2.7
5-6	.0	1.4	.0	.0	.0	.0	1.4
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	1.4	.3	.0	.0	1.7
10-11	.0	.0	.0	.3	.0	.0	.3
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	2.4	6.4	6.4	1.4	.0	.0	16.6

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	1.0	2.7	.0	.0	.0	.0	3.7
1-2	.0	1.4	.0	.0	.0	.0	1.4
3-4	1.4	2.4	4.1	.0	.0	.0	7.8
5-6	.0	.0	1.4	.0	.0	.0	1.4
7	.0	.0	1.0	1.4	.0	.0	2.4
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.3	11.1	8.8	.0	.0	.0	20.3

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.3	.0	.0	.0	.0	.0	.3
1-2	.0	5.4	.0	.0	.0	.0	5.4
3-4	.0	5.7	.0	.0	.0	.0	5.7
5-6	.0	.0	4.4	.0	.0	.0	4.4
7	.0	.0	3.0	.0	.0	.0	3.0
8-9	.0	.0	1.4	.0	.0	.0	1.4
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.3	11.1	8.8	.0	.0	.0	20.3

PERIOD: (OVER-ALL) 1963-1977

AUGUST

TABLE 18 (CONT)

AREA 0023 NORFOLK ISLAND
28.9S 167.9E

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

S

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	1.4	1.0	.0	.0	.0	2.4
5-6	.0	.0	2.4	.0	.0	.0	2.4
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	1.4	3.4	.0	.0	.0	4.7

SW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.3	.0	1.4	.0	.0	.0	1.7
3-4	.0	.0	.7	2.7	.0	.0	3.4
5-6	.0	.0	1.4	3.7	.0	.0	5.1
7	.0	.0	.0	2.7	.0	.0	2.7
8-9	.0	1.4	.0	.0	.0	.0	1.4
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	1.4	.0	.0	1.4
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.3	1.4	3.4	10.5	.0	.0	15.5

W

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	1.4	.0	.0	.0	.0	.0	1.4
1-2	1.0	1.4	.0	.0	.0	.0	2.4
3-4	.0	.0	2.4	.0	.0	.0	2.4
5-6	.0	.0	3.4	3.0	.0	.0	6.4
7	.0	.0	.0	1.4	.0	.0	1.4
8-9	.0	.0	.0	1.4	2.7	.0	4.1
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	2.4	1.4	5.7	5.7	2.7	.0	17.9

NW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	.0	.0	.0	.0	.0	.0	.0	
1-2	1.4	.0	1.4	.0	.0	.0	2.7	
3-4	.0	.0	3.0	.0	.0	.0	3.0	
5-6	.0	.0	.7	.0	.0	.0	.7	
7	.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	1.4	.0	.0	1.4	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	1.4	.0	.0	.0	1.4	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	1.4	.0	6.4	1.4	.0	.0	9.1	98.6

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	4.1	4.1	.0	.0	.0	.0	8.1	
1-2	2.7	9.5	4.1	.0	.0	.0	16.2	
3-4	1.4	9.5	14.9	2.7	.0	.0	28.4	
5-6	.0	1.4	13.5	6.8	.0	.0	21.6	
7	.0	.0	4.1	6.8	.0	.0	10.8	
8-9	.0	1.4	2.7	2.7	2.7	.0	9.5	
10-11	.0	.0	.0	2.7	.0	.0	2.7	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	1.4	1.4	.0	.0	2.7	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	8.1	25.7	40.5	23.0	2.7	.0	100.0	74

PERIOD: (OVER-ALL) 1952-1977

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	1.1	6.4	9.6	7.4	4.3	2.1	.0	.0	1.1	2.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	33	5
6-7	.0	1.1	2.1	7.4	3.2	6.4	2.1	1.1	2.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	24	7
8-9	.0	.0	.0	1.1	4.3	4.3	3.2	3.2	1.1	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	17	9
10-11	.0	.0	.0	1.1	2.1	.0	4.3	.0	1.1	2.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	10	11
12-13	.0	.0	1.1	.0	.0	2.1	2.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5	8
>13	.0	.0	.0	.0	.0	1.1	.0	.0	.0	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	2	14
INDET	1.1	.0	1.1	.0	1.1	.0	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4	5
TOTAL	2	7	13	16	14	15	11	5	5	5	1	0	0	0	0	0	0	0	0	94	7
PCT	2.1	7.4	13.8	17.0	14.9	16.0	11.7	5.3	5.3	5.3	1.1	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

SEPTEMBER

PERIOD: (PRIMARY) 1927-1977
(OVER-ALL) 1874-1977

AREA 0023 NORFOLK ISLAND
29.0S 167.9E

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

	PRECIPITATION TYPE									OTHER WEATHER PHENOMENA					
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
N	9.8	.0	4.9	.0	.0	.0	.0	14.6	.0	.0	.0	.0	.0	.0	.0	85.4
NE	9.3	.0	9.3	.0	.0	.0	.0	18.6	.0	.0	.0	.0	.0	.0	.0	81.4
E	5.1	.0	.0	.0	.0	.0	.0	5.1	.0	.0	.0	.0	.0	.0	.0	94.9
SE	4.4	2.2	.0	.0	.0	.0	.0	6.6	.0	.0	.0	.0	.0	.0	.0	93.4
S	7.1	1.8	.0	.0	.0	.0	.0	8.9	.0	.0	.0	.0	.0	.0	.0	91.1
SW	.9	.0	.0	.0	.0	.0	.0	.9	.9	.0	.0	.0	.0	.0	.0	98.1
W	3.5	.0	.0	.0	.0	.0	.0	3.5	8.2	.0	.0	.0	.0	.0	.0	88.2
NW	.0	.0	4.3	.0	.0	.0	.0	4.3	.0	.0	.0	.0	.0	.0	.0	95.7
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
TOT PCT	4.6	.7	1.3	.0	.0	.0	.0	6.5	1.3	.0	.0	.0	.0	.0	.0	92.2
TOT OBS:	153															

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

	PRECIPITATION TYPE									OTHER WEATHER PHENOMENA					
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
00603	2.5	.0	.0	.0	.0	.0	.0	2.5	2.5	.0	.0	.0	.0	.0	.0	95.0
06609	5.6	1.9	3.7	.0	.0	.0	.0	11.1	1.9	.0	.0	.0	.0	.0	.0	87.0
12615	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
18621	8.3	.0	.0	.0	.0	.0	.0	8.3	.0	.0	.0	.0	.0	.0	.0	91.7
TOT PCT	4.4	.6	1.3	.0	.0	.0	.0	6.3	1.3	.0	.0	.0	.0	.0	.0	92.5
TOT OBS.	159															

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	WIND SPEED (KNOTS)									HOUR (GMT)							
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	.0	4.1	1.4	2.8	.0	.0		8.3	16.3	13.8	.0	15.2	5.2	7.1	.0	.0	4.5
NE	.0	2.0	4.4	.0	.0	.0		6.3	12.4	5.9	8.3	7.6	1.7	4.5	.0	18.0	.0
E	.0	3.1	8.7	.6	.0	.0		12.4	13.4	9.9	25.0	2.3	5.2	21.4	.0	17.0	22.7
SE	1.1	1.8	9.7	1.7	.6	.0		14.9	15.9	19.7	.0	7.6	19.0	6.3	.0	14.0	26.1
S	2.2	5.5	7.0	5.6	.0	.0		20.4	14.5	11.3	.0	18.9	37.9	19.6	.0	14.0	25.0
SW	.6	3.7	9.3	2.9	.0	.0		16.4	15.4	11.3	33.3	27.3	8.6	25.0	.0	18.0	3.4
W	1.7	6.2	3.7	.4	.0	.0		11.9	10.0	17.1	.0	13.6	13.8	12.5	.0	11.0	.0
NW	1.1	4.6	2.5	.0	.0	.0		8.3	9.4	9.9	33.3	7.6	8.6	.0	.0	4.0	18.2
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	1.1							1.1	.0	.0	.0	.0	.0	3.6	.0	4.0	.0
TOT OBS	14	55	83	25	1	0	178		13.6	36	3	33	29	28	0	25	22
TOT PCT	7.9	30.9	46.6	14.0	.6	.0		100.0		100.0	100.0	100.0	100.0	100.0	.0	100.0	100.0

TABLE 3A

	WIND SPEED (KNOTS)								HOUR (GMT)			
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	06 09	12 15	18 21
N	1.1	3.4	1.5	2.2	.0		8.3	16.3	12.8	10.5	7.1	2.1
NE	.7	5.6	.0	.0	.0		6.3	12.4	6.1	4.8	4.5	9.6
E	.0	10.0	2.4	.0	.0		12.4	13.4	11.0	3.6	21.4	19.7
SE	1.7	6.3	6.3	.0	.6		14.9	15.9	18.3	12.9	6.3	19.7
S	3.9	7.3	9.1	.0	.0		20.4	14.5	11.0	27.8	19.6	19.1
SW	1.3	8.0	6.6	.6	.0		16.4	15.4	13.4	18.5	25.0	11.2
W	4.4	5.1	2.5	.0	.0		11.9	10.0	15.9	13.7	12.5	5.9
NW	2.7	4.4	1.3	.0	.0		8.3	9.4	11.6	8.1	.0	10.6
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	1.1						1.1	.0	.0	.0	3.6	2.1
TOT OBS	30	89	53	5	1	178		13.6	41	62	28	47
TOT PCT	16.9	50.0	29.8	2.8	.6		100.0		100.0	100.0	100.0	100.0

SEPTEMBER

PERIOD: (PRIMARY) 1927-1977
(OVER-ALL) 1874-1977

TABLE 4

AREA 0023 NORFOLK ISLAND
29.05 167.9E

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	1-3	4-10	WIND SPEED (KNOTS) 11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00&03	.0	4.9	31.7	53.7	7.3	2.4	.0	14.5	100.0	41
06&09	.0	9.7	32.3	38.7	19.4	.0	.0	13.9	100.0	62
12&15	3.6	3.6	32.1	42.9	17.9	.0	.0	13.4	100.0	28
18&21	2.1	6.4	27.7	53.2	10.6	.0	.0	12.6	100.0	47
TOT	2	12	55	83	25	1	0	13.6		178
PCT	1.1	6.7	30.9	46.6	14.0	.6	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	1.8	1.4	2.7	2.0		5.2
NE	.0	1.1	2.0	3.8		6.6
E	.7	3.2	4.7	4.1		5.7
SE	2.3	4.1	5.2	3.2		5.0
S	4.3	2.3	7.4	.9		4.4
SW	3.8	7.0	9.0	.0		4.0
W	1.6	7.7	5.6	.0		4.0
NW	2.7	2.3	1.1	1.4		3.8
VAR	.0	.0	.0	.0		.0
CALM	.0	.9	.0	.0		3.0
TOT OBS	19	33	42	17	111	4.7
TOT PCT	17.1	29.7	37.8	15.3	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT,NH >4/8) AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

WND DIR	000 149	150 299	300 599	600 999	1000 1999	2000 2499	2500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	TOTAL OBS
N	.0	.0	.0	.7	2.7	.0	.0	.0	.0	.0	4.5	
NE	.9	.0	.0	2.7	1.1	.9	.0	.0	.0	.0	1.4	
E	.0	.0	.0	1.6	2.3	1.6	.0	.0	.0	.9	6.3	
SE	.0	.0	.0	2.0	3.2	.2	.9	.0	.0	.0	8.3	
S	.0	.0	.0	4.5	1.6	.0	.0	.0	.0	.0	8.8	
SW	.0	.0	.0	.9	2.0	1.8	.0	.0	.0	.0	15.1	
W	.0	.9	.0	.0	.7	.9	.0	.0	.0	.0	12.4	
NW	.0	.9	.0	1.1	.0	.0	.0	.0	.0	.0	5.4	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9	
TOT OBS	1	2	0	15	15	6	1	0	0	1	70	111
TOT PCT	.9	1.8	.0	13.5	13.5	5.4	.9	.0	.0	.9	63.1	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) * OR >10	* OR >5	* OR >2	* OR >1	* OR >1/2	* OR >1/4	* OR >50YD	* OR >0
* OR >6500	.9	.9	.9	.9	.9	.9	.9	.9
* OR >5000	.9	.9	.9	.9	.9	.9	.9	.9
* OR >3500	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
* OR >2000	7.0	7.8	7.8	7.8	7.8	7.8	7.8	7.8
* OR >1000	15.7	17.4	20.0	20.9	20.9	20.9	20.9	20.9
* OR >600	25.2	30.4	33.0	33.9	33.9	33.9	33.9	33.9
* OR >300	25.2	30.4	33.0	33.9	33.9	33.9	33.9	33.9
* OR >150	25.2	32.2	34.8	35.7	35.7	35.7	35.7	35.7
* OR > 0	25.2	32.2	35.7	36.5	36.5	36.5	36.5	36.5
TOTAL	29	37	41	42	42	42	42	42

TOTAL NUMBER OF OBS: 115 PCT FREQ NH <5/8: 63.5

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8 OBSCD	TOTAL OBS
5.6	8.9	18.5	19.4	11.3	8.9	11.3	5.6	9.7	.8	124

SEPTEMBER

PERIOD: (PRIMARY) 1927-1977
(OVER-ALL) 1874-1977

TABLE 8

AREA 0023 NORFOLK ISLAND
29.0S 167.9E

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
<1/2	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	PCP	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	
1<2	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	
	PCP	.0	.7	.0	.0	.0	.2	.5	.0	.0	.0	1.3	
2<5	NO PCP	.7	.0	.5	.2	.0	.0	.0	.0	.0	.0	1.3	
	TOT %	.7	.7	.5	.2	.0	.2	.5	.0	.0	.0	2.6	
	PCP	.3	.0	.0	1.0	1.0	.0	.0	.3	.0	.0	2.6	
5<10	NO PCP	1.8	1.3	2.3	4.1	6.4	1.8	3.8	2.8	.0	.0	24.2	
	TOT %	2.1	1.3	2.3	5.1	7.4	1.8	3.8	3.1	.0	.0	26.8	
	PCP	.0	.7	.7	.0	.7	.0	.0	.0	.0	.0	2.0	
10+	NO PCP	3.3	4.4	9.3	9.6	10.3	15.5	9.6	4.6	.0	1.3	68.0	
	TOT %	3.3	5.1	10.0	9.6	10.9	15.5	9.6	4.6	.0	1.3	69.9	
	TOT OBS												153
	TOT PCT	6.7	7.0	12.7	14.9	18.3	17.5	13.9	7.7	.0	1.3	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
<1/2	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.7	.0	.0	.0	.0	.0	.0	.0	.0		.7	
	TOT %	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	4-10	.0	.7	.0	.0	.0	.2	.5	.0	.0		1.3	
	11-21	.0	.0	.5	.2	.0	.0	.0	.0	.0		.7	
	22+	.7	.0	.0	.0	.0	.0	.0	.0	.0		.7	
	TOT %	.7	.7	.5	.2	.0	.2	.5	.0	.0	.0	2.6	
	0-3	.0	.0	.0	.0	.7	.7	1.3	.0	.0	.0	2.6	
5<10	4-10	1.0	.0	.0	.0	1.3	.0	.7	2.3	.0		5.2	
	11-21	.5	1.3	2.3	3.3	3.3	.5	1.8	.8	.0		13.7	
	22+	.7	.0	.0	1.8	2.1	.7	.0	.0	.0		5.2	
	TOT %	2.1	1.3	2.3	5.1	7.4	1.8	3.8	3.1	.0	.0	26.8	
	0-3	.0	.0	.0	1.3	1.3	.0	.7	1.3	.0	1.3	5.9	
10+	4-10	2.8	1.3	3.6	2.1	4.4	4.1	6.0	1.1	.0		25.5	
	11-21	.5	3.8	5.7	5.6	2.6	9.3	2.5	2.1	.0		32.0	
	22+	.0	.0	.7	.7	2.6	2.1	.5	.0	.0		6.5	
	TOT %	3.3	5.1	10.0	9.6	10.9	15.5	9.6	4.6	.0	1.3	69.9	
	TOT OBS												153
	TOT PCT	6.7	7.0	12.7	14.9	18.3	17.5	13.9	7.7	.0	1.3	100.0	

PERIOD: (PRIMARY) 1927-1977
(OVER-ALL) 1874-1977

AREA 0023 NORFOLK ISLAND
29.0S 167.9E

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET,NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00&03	.0	2.6	.0	17.9	17.9	5.1	.0	.0	.0	.0	43.6	56.4	39
06&09	3.0	3.0	.0	9.1	3.0	.0	3.0	.0	.0	.0	21.2	78.8	33
12&15	.0	.0	.0	.0	8.0	8.0	.0	.0	.0	4.0	20.0	80.0	25
18&21	.0	.0	.0	20.8	20.8	12.5	.0	.0	.0	.0	54.2	45.8	24
TOT	1	2	0	15	15	7	1	0	0	1	42	79	121
PCT	.8	1.7	.0	12.4	12.4	5.8	.8	.0	.0	.8	34.7	65.3	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00&03	.0	.0	.0	5.0	15.0	80.0	40
06&09	.0	.0	1.9	1.9	40.7	55.6	54
12&15	.0	.0	.0	.0	17.2	82.8	29
18&21	.0	.0	.0	2.8	27.8	69.4	36
TOT	0	0	1	4	43	111	159
PCT	.0	.0	.6	2.5	27.0	69.8	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET,NH >4/8),BY HOUR

HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL OBS
00&03	.0	2.6	25.6	17.9	56.4	39
06&09	3.0	6.1	18.2	3.0	78.8	33
12&15	.0	.0	.0	25.0	75.0	20
18&21	.0	.0	26.1	30.4	43.5	23
TOT	1	3	22	20	73	115
PCT	.9	2.6	19.1	17.4	63.5	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
70/74	.0	.0	.0	.0	1.9	1.9	.0	2.5	10	6.3
65/69	.0	.0	.0	1.9	3.8	10.6	6.9	8.1	50	31.3
60/64	.0	.0	.0	6.3	21.3	13.1	13.1	4.4	93	58.1
55/59	.0	.0	.0	.6	.0	.6	1.9	1.3	7	4.4
TOTAL	0	0	0	14	43	42	35	26	160	100.0
PCT	.0	.0	.0	8.8	26.9	26.3	21.9	16.3		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
1.1	.6	.0	.6	.6	.3	2.2	.8	.0	.0
3.8	3.6	4.2	3.4	3.1	4.2	4.5	4.4	.0	.0
3.1	2.8	6.4	10.5	15.2	11.4	4.7	2.8	.0	1.3
.0	.0	.0	.8	2.3	.6	.6	.0	.0	.0
8.0	7.0	10.6	15.3	21.3	16.6	12.0	8.0	.0	1.3

TABLE 15

MEANS,EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00&03	72	71	71	66	62	61	61	65.9	41
06&09	74	73	70	64	60	58	58	64.5	64
12&15	74	73	67	64	61	60	60	64.2	30
18&21	72	71	67	63	59	55	55	63.1	47
TOT	74	72	70	64	60	57	55	64.4	182

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00&03	.0	13.2	7.9	39.5	21.1	18.4	77	38
06&09	.0	6.9	36.2	17.2	25.9	13.8	75	58
12&15	.0	11.5	15.4	46.2	15.4	11.5	73	26
18&21	.0	6.8	40.9	11.4	20.5	20.5	76	44
TOT	0	15	46	42	36	27	75	166

SEPTEMBER

PERIOD: (PRIMARY) 1977-1977
(OVER-ALL) 1874-1977

AREA 0073 NORFOLK ISLAND
29.0S 167.9E

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	53 56	57 60	61 64	65 68	69 72	73 76	TOT	W FOG	WO FOG
14/16	.0	.0	.0	.0	.0	.0	1	.0	.7
9/10	.0	.0	.0	.0	.7	1.5	3	.0	2.2
7/8	.0	.0	.0	.7	.7	.0	2	.0	1.5
6	.0	.0	.0	.7	.0	.0	1	.0	.7
5	.0	.0	.0	.0	2.2	.0	3	.0	2.2
4	.0	.0	.0	.7	1.5	.0	3	.0	2.2
3	.0	.0	.0	1.5	.0	.0	2	.0	1.5
2	.0	.0	.7	2.2	2.2	.0	7	.0	5.1
1	.0	.0	1.5	3.6	1.5	.0	9	.0	6.6
0	.0	.0	7.3	4.4	.0	.0	16	.0	11.7
-1	.0	.0	4.4	10.2	.7	.0	21	.0	15.3
-2	.0	.0	8.8	.7	.0	.0	13	.0	9.5
-3	.0	2.2	8.8	2.9	.0	.0	19	.0	13.9
-4	.0	.0	6.6	.0	.0	.0	9	.0	6.6
-5	.0	.7	5.1	2.2	.0	.0	11	.0	8.0
-6	.7	.0	2.9	1.5	.0	.0	7	.0	5.1
-7/-8	.0	.7	3.6	2.2	.0	.0	9	.0	6.6
-9/-10	.0	.7	.0	.0	.0	.0	1	.0	.7
TOTAL	1		68		13			0	137
		6		46		3	137		
PCT	.7	4.4	49.6	33.6	9.5	2.2	100.0		100.0

PERIOD: (OVER-ALL) 1963-1977

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	2.6	.0	.0	.0	.0	2.6
3-4	.0	1.8	.0	.0	.0	.0	1.8
5-6	.0	.0	.8	.0	.0	.0	.8
7	.0	.0	.0	1.0	.0	.0	1.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	4.3	.8	1.0	.0	.0	6.1

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	1.0	.0	.0	.0	1.0
1-2	.0	1.5	.0	.0	.0	.0	1.5
3-4	.0	.0	4.6	.0	.0	.0	4.6
5-6	.0	.0	.3	.0	.0	.0	.3
7	.0	.0	1.0	.0	.0	.0	1.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	1.0	1.0	.0	.0	.0	2.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	2.6	7.9	.0	.0	.0	10.5

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	3.3	1.0	.0	.0	.0	4.3
3-4	.0	.0	1.5	.0	.0	.0	1.5
5-6	.0	1.0	2.8	.0	.0	.0	3.8
7	.0	.0	.8	.0	.0	.0	.8
8-9	.0	.0	1.8	.0	.0	.0	1.8
10-11	.0	.0	.0	1.0	.0	.0	1.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	4.3	7.9	1.0	.0	.0	13.3

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.8	.0	.0	.0	.0	.8
3-4	.0	.3	2.0	.0	.0	.0	2.3
5-6	.0	.0	5.1	.0	.0	.0	5.1
7	.0	.0	1.3	1.0	.0	.0	2.3
8-9	.0	.0	.3	.0	1.0	.0	1.3
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	1.0	8.7	1.0	1.0	.0	11.7

PERIOD: (OVER-ALL) 1963-1977

SEPTEMBER

AREA 0023 NORFOLK ISLAND
29.0S 167.9E

TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

S

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	1.0	.0	.0	.0	.0	1.0
1-2	1.0	2.6	.0	.0	.0	.0	3.6
3-4	.0	4.3	2.0	1.0	.0	.0	7.4
5-6	.0	1.0	1.0	.0	.0	.0	2.0
7	.0	.0	1.0	1.8	.0	.0	2.8
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.0	8.9	4.1	2.8	.0	.0	16.8

SW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	1.5	.0	.0	.0	.0	1.5
3-4	.0	2.8	3.1	.0	.0	.0	5.9
5-6	.0	.3	3.3	1.0	.0	.0	4.6
7	.0	.0	3.1	.5	.0	.0	3.6
8-9	.0	.0	1.0	.0	.0	.0	1.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	4.6	10.5	1.5	.0	.0	16.6

W

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	1.0	.0	.0	.0	.0	1.0
1-2	1.0	3.8	.0	.0	.0	.0	4.8
3-4	.0	1.5	1.0	.0	.0	.0	2.6
5-6	.0	1.8	1.8	.0	.0	.0	3.6
7	.0	.0	1.0	.8	.0	.0	1.8
8-9	.0	.0	1.0	.0	.0	.0	1.0
10-11	.0	1.0	1.0	.0	.0	.0	2.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.0	9.2	5.9	.8	.0	.0	16.8

NW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	2.0	.0	.0	.0	.0	.0	2.0	
1-2	.0	.3	.0	.0	.0	.0	.3	
3-4	.0	.5	1.0	.0	.0	.0	1.5	
5-6	.0	1.0	.3	.0	.0	.0	1.3	
7	.0	.0	2.0	.0	.0	.0	2.0	
8-9	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	2.0	1.8	3.3	.0	.0	.0	7.1	99.0

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	4.0	2.0	1.0	.0	.0	.0	7.0	
1-2	2.0	17.0	1.0	.0	.0	.0	20.0	
3-4	.0	11.0	15.0	1.0	.0	.0	27.0	
5-6	.0	5.0	15.0	1.0	.0	.0	21.0	
7	.0	.0	10.0	5.0	.0	.0	15.0	
8-9	.0	.0	4.0	.0	1.0	.0	5.0	
10-11	.0	1.0	1.0	1.0	.0	.0	3.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	1.0	1.0	.0	.0	.0	2.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	6.0	37.0	48.0	8.0	1.0	.0	100.0	100

PERIOD: (OVER-ALL) 1949-1977

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	.0	2.8	6.4	3.7	10.1	.9	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	27	5
6-7	.0	.0	4.6	4.6	7.3	2.8	3.7	5.5	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	32	7
8-9	.0	.0	1.8	.9	3.7	5.5	4.6	.9	2.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	22	9
10-11	.0	.0	.9	1.8	1.8	.9	1.8	.0	.0	1.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	10	9
12-13	.0	.0	.9	.9	.9	.9	.0	.0	1.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6	9
>13	.0	.0	.0	.0	1.8	.9	.0	.0	.9	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	5	10
INDET	.9	.9	.0	.9	.0	1.8	.9	.0	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7	7
TOTAL	1	4	16	14	28	15	13	7	8	3	0	0	0	0	0	0	0	0	0	109	7
PCT	.9	3.7	14.7	12.8	25.7	13.8	11.9	6.4	7.3	2.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

OCTOBER

PERIOD: (PRIMARY) 1943-1977
(OVER-ALL) 1857-1977

AREA 0023 NORFOLK ISLAND
29.0S 167.9E

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
N	.0	.0	7.7	.0	.0	.0	.0	7.7	.0	.0	.0	.0	.0		.0	92.3
NE	.0	5.8	.0	.0	.0	.0	.0	5.8	.0	.0	.0	.0	.0		.0	94.2
E	.0	.0	3.9	.0	.0	.0	.0	3.9	.0	.0	.0	.0	.0		.0	96.1
SE	.0	3.8	.9	.0	.0	.0	.0	4.7	.0	.0	.0	.0	.0		.0	95.3
S	6.5	.0	.0	.0	.0	.0	.0	6.5	.0	.0	.0	.0	.0		.0	93.5
SW	.0	13.1	.0	.0	.0	.0	.0	13.1	.0	.0	.0	.0	.0		.0	86.9
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.9	.0	.0	.0		.0	94.1
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	100.0
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	100.0
TOT PCT	.7	3.0	1.5	.0	.0	.0	.0	5.2	.0	.7	.0	.0	.0		.0	94.0
TOT OBS:	134															

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
00603	3.2	3.2	3.2	.0	.0	.0	.0	9.7	.0	.0	.0	.0	.0		.0	90.3
06609	.0	4.4	2.2	.0	.0	.0	.0	6.7	.0	.0	.0	.0	.0		.0	93.3
12615	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.3	.0	.0	.0		.0	95.7
18621	.0	2.7	.0	.0	.0	.0	.0	2.7	.0	.0	.0	.0	.0		.0	97.3
TOT PCT	.7	2.9	1.5	.0	.0	.0	.0	5.1	.0	.7	.0	.0	.0		.0	94.1
TOT OBS:	136															

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	WIND SPEED (KNOTS)								HOUR (GMT)							
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	.3	4.8	4.5	.0	.0	.0		9.7	11.9	11.7	79.0	8.9	6.0	11.5	.0	11.4	.0
NE	2.4	4.2	5.8	.0	.0	.0		12.4	9.6	10.9	29.0	19.6	3.6	17.7	.0	8.6	14.3
E	.5	6.6	5.0	1.0	.0	.0		13.1	11.2	16.4	.0	12.5	.0	17.7	.0	19.3	3.6
SE	.8	5.5	9.4	1.6	.0	.0		17.3	13.9	18.0	.0	23.2	7.1	22.9	.0	18.6	7.1
S	1.8	4.4	4.8	.6	.0	.0		11.6	11.0	18.0	.0	3.6	6.0	8.3	.0	18.6	10.7
SW	1.3	6.6	6.0	1.6	.0	.0		15.5	12.4	10.2	.0	11.6	41.7	1.0	.0	10.0	35.7
W	.0	7.1	3.2	2.3	.0	.0		12.6	12.8	8.6	.0	6.3	21.4	15.6	.0	7.9	28.6
NW	.6	2.7	2.6	.0	.0	.0		6.0	10.4	6.3	.0	10.7	4.8	5.2	.0	5.7	.0
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	1.9							1.9	.0	.0	.0	3.6	9.5	.0	.0	.0	.0
TOT OBS	15	65	64	11	0	0	155		11.6	32	1	28	21	24	0	35	14
TOT PCT	9.7	41.9	41.3	7.1	.0	.0		100.0		100.0	100.0	100.0	100.0	100.0	.0	100.0	100.0

TABLE 3A

	WIND SPEED (KNOTS)								HOUR (GMT)			
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	06 09	12 15	18 21
N	.3	7.3	2.1	.0	.0		9.7	11.9	13.6	7.7	11.5	8.2
NE	3.7	7.6	1.1	.0	.0		12.4	9.6	11.4	12.8	17.7	10.2
E	1.6	9.8	1.6	.0	.0		13.1	11.2	15.9	7.1	17.7	14.8
SE	2.1	10.3	4.2	.6	.0		17.3	13.9	17.4	16.3	22.9	15.3
S	3.2	6.0	2.4	.0	.0		11.6	11.0	17.4	4.6	8.3	16.3
SW	3.5	6.9	4.4	.6	.0		15.5	12.4	9.8	24.5	1.0	17.3
W	2.9	6.8	1.6	1.3	.0		12.6	12.8	8.3	12.8	15.6	13.8
NW	1.9	3.4	.6	.0	.0		6.0	10.4	6.1	8.2	5.2	4.1
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	1.9						1.9	.0	.0	6.1	.0	.0
TOT OBS	33	90	28	4	0	155		11.6	93	49	24	49
TOT PCT	21.3	58.1	18.1	2.6	.0		100.0		100.0	100.0	100.0	100.0

OCTOBER

PERIOD: (PRIMARY) 1943-1977
(OVER-ALL) 1857-1977

AREA 0023 NORFOLK ISLAND
29.0S 167.9E

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS) 1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00&03	.0	9.1	39.4	45.5	6.1	.0	.0	12.4	100.0	33
06&09	6.1	10.2	30.6	36.7	16.3	.0	.0	12.7	100.0	49
12&15	.0	12.5	37.5	50.0	.0	.0	.0	10.5	100.0	24
18&21	.0	2.0	57.1	38.8	2.0	.0	.0	10.6	100.0	49
TOT	3	12	65	64	11	0	0	11.6		155
PCT	1.9	7.7	41.9	41.3	7.1	.0	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	1.0	1.7	7.0	2.4		6.0
NE	3.8	2.4	3.8	2.2		4.5
E	5.0	2.6	7.5	2.9		4.7
SE	4.8	3.8	11.3	2.2		4.8
S	1.7	3.8	5.0	1.7		4.9
SW	1.2	1.4	2.9	1.2		5.2
W	1.7	1.4	1.9	3.6		5.3
NW	2.9	2.9	1.0	.2		3.3
VAR	.0	.0	.0	.0		.0
CALM	.0	1.0	.0	.0		4.0
TOT OBS	23	22	42	17	104	4.9
TOT PCT	22.1	21.2	40.4	16.3	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT,NH >4/8) AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

WND DIR	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	TOTAL OBS
N	.0	.0	.0	3.1	1.7	.0	1.0	.0	.0	.0	6.3	
NE	.0	1.0	.0	.5	3.1	.2	.0	.0	.0	.0	7.5	
E	.0	.0	1.0	1.0	3.4	.7	1.0	.0	.0	.0	11.1	
SE	.0	.0	1.9	4.3	3.4	1.2	.0	.0	.0	.0	11.3	
S	.0	.0	.0	3.4	.0	2.6	.0	.0	.0	.0	6.3	
SW	.0	.2	.0	.0	1.0	.0	.0	.0	.0	.0	5.5	
W	.0	.7	.0	2.9	1.0	.0	.0	.0	.0	.0	4.1	
NW	.0	.0	.0	.2	.0	1.0	.0	.0	.0	.0	5.8	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	
TOT OBS	0	2	3	16	14	6	2	0	0	0	61	104
TOT PCT	.0	1.9	2.9	15.4	13.5	5.8	1.9	.0	.0	.0	58.7	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) * OR >10	* OR >5	* OR >2	* OR >1	* OR >1/2	* OR >1/4	* OR >50YD	* OR >0
* OR >6300	.0	.0	.0	.0	.0	.0	.0	.0
* OR >5000	.0	.0	.0	.0	.0	.0	.0	.0
* OR >3500	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
* OR >2000	6.6	7.5	7.5	7.5	7.5	7.5	7.5	7.5
* OR >1000	19.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8
* OR >600	33.0	35.8	35.8	35.8	35.8	35.8	35.8	35.8
* OR >300	35.8	38.7	38.7	38.7	38.7	38.7	38.7	38.7
* OR >150	35.8	40.6	40.6	40.6	40.6	40.6	40.6	40.6
* OR > 0	35.8	40.6	40.6	40.6	40.6	40.6	40.6	40.6
TOTAL	38	43	43	43	43	43	43	43

TOTAL NUMBER OF OBS: 106

PCT FREQ NH <5/8: 59.4

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	OBSCD	TOTAL OBS
3.7	17.4	11.9	15.6	11.0	11.9	8.3	10.1	10.1	.0	109

OCTOBER

PERIOD: (PRIMARY) 1943-1977
(OVER-ALL) 1857-1977

AREA 0023 NORFOLK ISLAND
29.0S 167.9E

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	PCP	.0	.7	.0	.0	.0	.0	.0	.0	.0	.0	.7	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.7	.0	.0	.0	.0	.0	.0	.0	.0	.7	
2<5	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.7	.0	.0	.0	.7	
	TOT %	.0	.0	.0	.0	.0	.0	.7	.0	.0	.0	.7	
5<10	PCP	.7	.0	.0	.0	.0	1.5	.0	.0	.0	.0	2.2	
	NO PCP	1.7	2.2	2.4	1.9	.7	4.7	4.3	.7	.0	.0	18.7	
	TOT %	2.4	2.2	2.4	1.9	.7	6.2	4.3	.7	.0	.0	20.9	
10+	PCP	.0	.0	.6	.9	.7	.0	.0	.0	.0	.0	2.2	
	NO PCP	7.3	9.9	11.4	17.0	10.1	5.2	7.6	5.4	.0	1.5	75.4	
	TOT %	7.3	9.9	11.9	17.9	10.8	5.2	7.6	5.4	.0	1.5	77.6	
	TOT OBS												134
	TOT PCT	9.7	12.9	14.4	19.8	11.6	11.4	12.7	6.2	.0	1.5	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.7	.0	.0	.0	.0	.0	.0	.0		.7	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.7	.0	.0	.0	.0	.0	.0	.0	.0	.7	
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.7	.0	.0		.7	
	TOT %	.0	.0	.0	.0	.0	.0	.7	.0	.0	.0	.7	
5<10	0-3	.0	.7	.0	.0	.0	.7	.0	.0	.0	.0	1.5	
	4-10	.0	.2	1.7	.7	.4	1.7	3.5	.7	.0		9.0	
	11-21	2.4	1.3	.7	.4	.4	3.4	.4	.0	.0		9.0	
	22+	.0	.0	.0	.7	.0	.4	.4	.0	.0		1.5	
	TOT %	2.4	2.2	2.4	1.9	.7	6.2	4.3	.7	.0	.0	20.9	
10+	0-3	.4	2.1	.6	.7	1.5	.0	.0	.0	.0	1.5	6.7	
	4-10	4.1	4.7	5.2	5.6	3.9	3.5	3.4	2.4	.0		32.8	
	11-21	2.8	3.2	5.0	10.4	4.7	1.7	2.8	3.0	.0		33.6	
	22+	.0	.0	1.1	1.1	.7	.0	1.5	.0	.0		4.5	
	TOT %	7.3	9.9	11.9	17.9	10.8	5.2	7.6	5.4	.0	1.5	77.6	
	TOT OBS												134
	TOT PCT	9.7	12.9	14.4	19.8	11.6	11.4	12.7	6.2	.0	1.5	100.0	

OCTOBER

PERIOD: (PRIMARY) 1943-1977
(OVER-ALL) 1857-1977

AREA 0023 NORFOLK ISLAND
29.05 167.9E

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET,NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00&03	.0	.0	6.5	6.5	19.4	6.5	3.2	.0	.0	.0	41.9	58.1	31
06&09	.0	.0	.0	17.2	10.3	3.4	.0	.0	.0	.0	31.0	69.0	29
12&15	.0	10.0	5.0	20.0	5.0	5.0	.0	.0	.0	.0	45.0	55.0	20
18&21	.0	.0	.0	17.9	14.3	7.1	3.6	.0	.0	.0	42.9	57.1	28
TOT	0	2	3	16	14	6	2	0	0	0	43	65	108
PCT	.0	1.9	2.8	14.8	13.0	5.6	1.9	.0	.0	.0	39.8	60.2	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00&03	.0	.0	.0	.0	6.5	93.5	31
06&09	.0	.0	.0	2.2	35.6	62.2	45
12&15	.0	.0	.0	.0	13.0	87.0	23
18&21	.0	.0	2.7	.0	18.9	78.4	37
TOT	0	0	1	1	28	106	136
PCT	.0	.0	.7	.7	20.6	77.9	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET,NH >4/8),BY HOUR

HOUR (GMT)	<150 <50VSBY	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL OBS
00&03	.0	6.5	12.9	29.0	58.1	31
06&09	.0	.0	17.9	14.3	67.9	28
12&15	.0	15.8	36.8	10.5	52.6	19
18&21	.0	.0	17.9	25.0	57.1	28
TOT	0	5	21	22	63	106
PCT	.0	4.7	19.8	20.8	59.4	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
75/79	.0	.0	.0	.0	.7	.0	.0	.0	1	.7
70/74	.0	.0	.0	.0	3.0	2.2	2.2	2.2	13	9.7
65/69	.0	.0	.0	3.0	12.7	17.2	11.9	14.2	79	59.0
60/64	.0	.0	.0	.7	6.7	7.5	11.2	4.5	41	30.6
TOTAL	0	0	0	5	31	36	34	28	134	100.0
PCT	.0	.0	.0	3.7	23.1	26.9	25.4	20.9		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

	N	NE	E	SE	S	SW	W	NW	VAR	CALM
	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0
	1.1	1.1	.0	1.7	1.9	.4	2.1	1.5	.0	.0
	9.0	9.1	8.0	10.6	4.9	7.8	4.9	4.7	.0	.0
	.4	1.1	3.5	7.5	5.2	5.2	5.4	.7	.0	1.5
	11.2	11.4	11.6	19.8	11.9	13.4	12.3	6.9	.0	1.5

TABLE 15

MEANS,EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00&03	77	76	73	68	63	63	63	67.9	34
06&09	73	72	72	67	62	61	61	66.7	47
12&15	82	81	68	66	62	62	62	66.2	25
18&21	70	69	69	65	62	61	61	65.3	47
TOT	82	77	72	66	62	61	61	66.5	153

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00&03	.0	6.3	34.4	18.8	31.3	9.4	75	32
06&09	.0	4.9	26.8	26.8	22.0	19.5	77	41
12&15	.0	.0	4.8	52.4	14.3	28.6	80	21
18&21	.0	4.7	20.9	18.6	30.2	25.6	80	43
TOT	0	6	32	36	35	28	78	137

OCTOBER

PERIOD: (PRIMARY) 1943-1977
(OVER-ALL) 1857-1977

AREA 0023 NORFOLK ISLAND
29.0S 167.9E

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	61 64	65 68	69 72	73 76	77 80	81 84	TOT	W FOG	WO FOG
7/8	.0	.0	.9	.0	.9	.9	3	.0	2.8
4	.0	.0	1.9	.0	.0	.0	2	.0	1.9
3	.0	.0	4.7	.0	.0	.0	5	.0	4.7
2	.0	3.8	2.8	.0	.0	.0	7	.0	6.6
1	.0	3.8	1.9	.9	.0	.0	7	.0	6.6
0	.9	17.9	2.8	.0	.0	.0	23	.0	21.7
-1	.9	6.6	1.9	.0	.0	.0	10	.0	9.4
-2	1.9	3.8	.9	.9	.0	.0	8	.0	7.5
-3	1.9	5.7	.9	.0	.0	.0	9	.0	8.5
-4	9.4	4.7	.9	.0	.0	.0	16	.0	15.1
-5	6.6	2.8	.0	.0	.0	.0	10	.0	9.4
-6	.9	.9	.0	.0	.0	.0	2	.0	1.9
-7/-8	2.8	.0	.0	.0	.0	.0	3	.0	2.8
-11/-13	.0	.9	.0	.0	.0	.0	1	.0	.9
TOTAL	27	54	21	2	1	1	106	0	106
PCT	25.5	50.9	19.8	1.9	.9	.9	100.0		100.0

PERIOD: (OVER-ALL) 1963-1977

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	3.8	.0	.0	.0	3.8
3-4	.0	1.3	.9	.0	.0	.0	2.2
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	2.8	.0	.0	.0	2.8
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	1.3	7.6	.0	.0	.0	8.9

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	2.8	1.3	.0	.0	.0	.0	4.1
1-2	.0	2.5	1.3	.0	.0	.0	3.8
3-4	.0	.0	2.8	.0	.0	.0	2.8
5-6	.0	.0	1.3	.0	.0	.0	1.3
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.9	.0	.0	.0	.9
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	2.8	3.8	6.3	.0	.0	.0	13.0

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.9	.0	.0	.0	.0	.0	.9
1-2	.0	5.7	.0	.0	.0	.0	5.7
3-4	.0	3.5	6.0	.0	.0	.0	9.5
5-6	.0	.0	2.5	.9	.0	.0	3.5
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.9	9.2	8.5	.9	.0	.0	19.6

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	1.3	.0	.0	.0	.0	1.3
1-2	.0	.6	1.3	.0	.0	.0	1.9
3-4	.0	3.2	1.9	.0	.0	.0	5.1
5-6	.0	.0	8.2	1.6	.0	.0	9.8
7	.0	.0	3.8	.0	.0	.0	3.8
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	5.1	15.2	1.6	.0	.0	21.8

PERIOD: (OVER-ALL) 1963-1977

OCTOBER

TABLE 18 (CONT)

AREA 0023 NORFOLK ISLAND
29.0S 167.9E

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

S

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	2.5	.0	.0	.0	.0	.0	2.5
3-4	.0	3.5	2.2	.0	.0	.0	5.7
5-6	.0	.0	3.2	1.3	.0	.0	4.4
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	2.5	3.5	5.4	1.3	.0	.0	12.7

SW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	3.5	.0	.0	.0	.0	3.5
3-4	.0	2.5	.0	.0	.0	.0	2.5
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.3	.0	.0	.0	.3
8-9	.0	.0	1.3	.0	.0	.0	1.3
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	6.0	1.6	.0	.0	.0	7.6

W

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	6.6	.0	.0	.0	.0	6.6
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.9	.0	.0	.0	.9
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	1.3	.0	.0	1.3
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	1.3	.0	.0	1.3
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	6.6	.9	2.5	.0	.0	10.1

NW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	1.3	.0	.0	.0	.0	1.3
1-2	.0	2.5	2.5	.0	.0	.0	5.1
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	3.8	2.5	.0	.0	.0	6.3

HGT	TOTAL PCT
<1	1.3
1-2	5.1
3-4	.0
5-6	.0
7	.0
8-9	.0
10-11	.0
12	.0
13-16	.0
17-19	.0
20-22	.0
23-25	.0
26-32	.0
33-40	.0
41-48	.0
49-60	.0
61-70	.0
71-86	.0
87+	.0
TOT PCT	100.0

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	5.0	3.8	.0	.0	.0	.0	8.8	
1-2	2.5	21.3	8.8	.0	.0	.0	32.5	
3-4	.0	13.6	13.8	.0	.0	.0	27.5	
5-6	.0	.0	15.0	3.8	.0	.0	18.8	
7	.0	.0	5.0	.0	.0	.0	5.0	
8-9	.0	.0	5.0	.0	.0	.0	5.0	
10-11	.0	.0	.0	1.3	.0	.0	1.3	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	1.3	.0	.0	1.3	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	7.5	38.8	47.5	6.3	.0	.0	100.0	80

PERIOD: (OVER-ALL) 1950-1977

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	.0	7.2	13.4	6.2	2.1	2.1	1.0	2.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	33	4
6-7	.0	1.0	4.1	8.2	8.2	4.1	3.1	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	29	6
8-9	.0	.0	1.0	8.2	3.1	3.1	2.1	.0	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	18	7
10-11	.0	.0	1.0	2.1	.0	1.0	1.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6	7
12-13	.0	.0	.0	1.0	1.0	1.0	1.0	.0	2.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6	9
>13	.0	.0	.0	1.0	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2	7
INDET	2.1	.0	.0	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3	2
TOTAL	2	8	19	26	15	12	8	4	2	1	0	0	0	0	0	0	0	0	0	97	6
PCT	2.1	8.2	19.6	26.8	15.5	12.4	8.2	4.1	2.1	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

NOVEMBER

PERIOD: (PRIMARY) 1927-1977
(OVER-ALL) 1885-1977

AREA 0023 NORFOLK ISLAND
29.0S 167.8E

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

	PRECIPITATION TYPE									OTHER WEATHER PHENOMENA					
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG	DUST BLWG SNOW	NO SIG WEA
N	5.3	.0	.0	.0	.0	.0	.0	6.3	6.3	.0	.0	.0	.0		.0	87.5
NE	3.7	.0	.0	.0	.0	.0	.0	3.7	.0	.0	14.8	.0	.0		.0	81.5
E	.0	.0	2.5	.0	.0	.0	.0	2.5	6.8	.0	.0	.0	.0		.0	90.7
SE	10.0	.0	.0	.0	.0	.0	.0	10.0	1.3	.0	.0	.0	.0		.0	88.8
S	.0	6.2	.0	.0	.0	.0	.0	6.2	.0	.0	.0	.0	.0		.0	93.8
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	8.2		.0	91.8
W	6.8	4.5	.0	.0	.0	.0	.0	11.4	.0	.0	.0	.0	.0		.0	88.6
NW	3.0	0.1	.0	.0	.0	.0	.0	9.1	3.0	.0	12.1	.0	.0		.0	75.8
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	100.0
TOT PCT	3.1	1.6	.8	.0	.0	.0	.0	5.5	3.1	.0	1.6	.0	.8		.0	89.1
TOT OBS:	126															

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

	PRECIPITATION TYPE									OTHER WEATHER PHENOMENA					
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG	DUST BLWG SNOW	NO SIG WEA
00-03	6.7	.0	3.3	.0	.0	.0	.0	10.0	3.3	.0	.0	.0	3.3		.0	83.3
06-09	4.3	.0	.0	.0	.0	.0	.0	4.3	2.2	.0	4.3	.0	.0		.0	89.1
12-15	.0	.0	.0	.0	.0	.0	.0	.0	4.5	.0	.0	.0	.0		.0	95.5
18-21	.0	0.3	.0	.0	.0	.0	.0	6.3	3.1	.0	.0	.0	.0		.0	90.6
TOT PCT	3.1	1.5	.8	.0	.0	.0	.0	5.4	3.1	.0	1.5	.0	.8		.0	89.2
TOT OBS:	130															

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	WIND SPEED (KNOTS)									HOUR (GMT)							
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	.0	6.0	1.8	.0	.0	.0		7.8	9.1	6.3	.0	9.8	2.2	.0	.0	24.1	.0
NE	.7	1.0	3.4	.0	.0	.0		5.1	10.6	6.3	.0	8.0	2.2	11.5	.0	.0	.0
E	.7	12.6	15.2	.7	.0	.0		29.1	12.0	31.3	.0	26.8	15.2	49.0	100.0	27.7	13.3
SE	.8	5.1	9.2	2.6	.0	.0		17.6	14.3	12.5	.0	24.1	27.2	17.3	.0	11.6	15.0
S	.5	6.0	6.4	.7	.0	.0		13.6	11.0	14.1	.0	9.8	25.0	10.6	.0	8.0	18.3
SW	.0	8.5	2.5	.0	.0	.0		10.9	9.4	15.6	.0	4.5	19.6	3.8	.0	10.7	13.3
W	.0	5.7	3.3	.0	.0	.0		9.0	10.3	13.3	.0	12.5	.0	3.8	.0	6.3	21.7
NW	.0	3.4	2.1	.7	.0	.0		6.2	10.3	.8	.0	4.5	8.7	3.8	.0	8.0	18.3
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.7							.7	.0	.0	.0	.0	.0	.0	.0	3.6	.0
TOT OBS	5	74	67	7	0	0	153		11.4	32	0	28	23	26	1	28	15
TOT PCT	3.3	48.4	43.8	4.6	.0	.0		100.0		100.0	.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

	WIND SPEED (KNOTS)								HOUR (GMT)			
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	06 09	12 15	18 21
N	2.3	5.6	.0	.0	.0		7.8	9.1	6.3	6.4	.0	15.7
NE	1.6	2.8	.7	.0	.0		5.1	10.6	6.3	5.4	11.1	.0
E	5.1	17.8	6.2	.0	.0		29.1	12.0	31.3	21.6	50.9	22.7
SE	2.5	9.0	4.2	2.0	.0		17.6	14.3	12.5	25.5	16.7	12.8
S	3.1	9.8	.0	.7	.0		13.6	11.0	14.1	16.7	10.2	11.6
SW	3.1	7.2	.7	.0	.0		10.9	9.4	15.6	11.3	3.7	11.6
W	1.3	7.7	.0	.0	.0		9.0	10.3	13.3	6.9	3.7	11.6
NW	2.6	2.9	.0	.7	.0		6.2	10.3	.8	6.4	3.7	11.6
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	.7						.7	.0	.0	.0	.0	2.3
TOT OBS	34	96	18	5	0	153		11.4	32	51	27	43
TOT PCT	22.2	62.7	11.8	3.3	.0		100.0		100.0	100.0	100.0	100.0

NOVEMBER

PERIOD: (PRIMARY) 1927-1977
(OVER-ALL) 1885-1977

AREA 0023 NORFOLK ISLAND
29.0S 167.8E

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS) 1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00&03	.0	.0	50.0	50.0	.0	.0	.0	11.5	100.0	32
06&09	.0	2.0	47.1	43.1	7.8	.0	.0	11.9	100.0	51
12&15	.0	7.4	44.4	44.4	3.7	.0	.0	11.1	100.0	27
18&21	2.3	2.3	51.2	39.5	4.7	.0	.0	10.8	100.0	43
TOT	1	4	74	67	7	0	0	11.4		153
PCT	.7	2.6	48.4	43.8	4.6	.0	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	2.1	2.1	4.9	2.1		4.8
NE	2.1	.0	1.0	2.1		4.6
E	12.1	7.7	11.3	4.9		4.4
SE	4.6	2.6	5.4	4.4		5.1
S	2.8	4.4	2.8	.0		3.6
SW	.5	4.1	2.3	.0		4.5
W	4.4	2.8	1.5	.0		2.9
NW	.3	.0	3.6	.0		6.6
VAR	.0	.0	.0	.0		.0
CALM	1.0	.0	.0	.0		.0
TOT OBS	29	23	32	13	97	4.4
TOT PCT	29.9	23.7	33.0	13.4	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT,NH >4/8) AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

WND DIR	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	TOTAL OBS
N	.0	.0	.0	1.8	2.1	.0	.0	.0	.0	.0	7.2	
NE	.0	1.0	.0	1.0	.0	.0	.0	.0	.0	.0	3.1	
E	1.0	.0	1.0	2.8	8.5	.6	.0	.0	.0	.0	21.9	
SE	.0	.0	1.0	3.4	2.8	1.3	.3	.0	.0	.0	8.2	
S	.0	.0	.0	1.0	.0	.0	1.8	.0	.0	.0	7.2	
SW	.0	.0	.0	.0	.3	.0	2.1	.0	.0	.0	4.6	
W	.0	.0	.0	.0	.8	.0	.8	.0	.0	.0	7.2	
NW	.0	.0	.0	1.3	.0	.0	.3	.0	.0	.0	2.3	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	
TOT OBS	1	1	2	11	14	2	5	0	0	0	61	97
TOT PCT	1.0	1.0	2.1	11.3	14.4	2.1	5.2	.0	.0	.0	62.9	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) * OR >10	* OR >5	* OR >2	* OR >1	* OR >1/2	* OR >1/4	* OR >50YD	* OR >0
* OR >6500	.0	.0	.0	.0	.0	.0	.0	.0
* OR >5000	.0	.0	.0	.0	.0	.0	.0	.0
* OR >3500	2.0	5.1	5.1	5.1	5.1	5.1	5.1	5.1
* OR >2000	4.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1
* OR >1000	13.3	22.4	22.4	22.4	22.4	22.4	22.4	22.4
* OR >600	19.4	32.7	33.7	33.7	33.7	33.7	33.7	33.7
* OR >300	19.4	33.7	35.7	35.7	35.7	35.7	35.7	35.7
* OR >150	19.4	33.7	35.7	35.7	36.7	36.7	36.7	36.7
* OR > 0	19.4	33.7	36.7	36.7	37.8	37.8	37.8	37.8
TOTAL	19	33	36	36	37	37	37	37

TOTAL NUMBER OF OBS: 98

PCT FREQ NH <5/8: 62.2

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8 OBSCD	TOTAL OBS
4.0	10.9	21.8	14.9	8.9	5.0	7.9	13.9	11.9	1.0	101

NOVEMBER

PERIOD: (PRIMARY) 1927-1977
(OVER-ALL) 1885-1977

AREA 0023 NORFOLK ISLAND
28.9S 167.8E

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.8	
	TOT %	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.8	
1<2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.8	.0	.0	.0	.0	.0	.0	.0	.8	
	TOT %	.0	.0	.8	.0	.0	.0	.0	.0	.0	.0	.8	
2<5	PCP	.6	.2	.8	.8	.0	.0	.0	.0	.0	.0	2.3	
	NO PCP	.8	.0	.8	.2	.6	.0	.0	.0	.0	.0	2.3	
	TOT %	1.4	.2	1.6	1.0	.6	.0	.0	.0	.0	.0	4.7	
5<10	PCP	.0	.0	.0	.8	.8	.0	1.0	.6	.0	.0	3.1	
	NO PCP	1.2	1.2	7.2	5.9	3.7	4.3	1.6	2.3	.0	.0	27.3	
	TOT %	1.2	1.2	7.2	6.6	4.5	4.3	2.5	2.9	.0	.0	30.5	
10+	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	6.8	3.1	22.1	8.0	7.6	5.3	6.1	3.5	.0	.8	63.3	
	TOT %	6.8	3.1	22.1	8.0	7.6	5.3	6.1	3.5	.0	.8	63.3	
	TOT OBS												128
	TOT PCT	9.4	5.3	31.6	15.6	12.7	9.6	8.6	6.4	.0	.8	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.8	.0	.0	.0	.0	.0	.0	.0		.8	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.8	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.8	.0	.0	.0	.0	.0	.0		.8	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.8	.0	.0	.0	.0	.0	.0	.0	.8	
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.8	.0	.0	.2	.6	.0	.0	.0	.0		1.6	
	11-21	.6	.2	1.6	.8	.0	.0	.0	.0	.0		3.1	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	1.4	.2	1.6	1.0	.6	.0	.0	.0	.0	.0	4.7	
5<10	0-3	.0	.0	.8	.2	.6	.0	.0	.0	.0	.0	1.6	
	4-10	.4	.4	1.6	2.0	.4	3.9	2.0	2.7	.0		13.3	
	11-21	.8	.8	4.9	2.9	3.5	.4	.6	.2	.0		14.1	
	22+	.0	.0	.0	1.6	.0	.0	.0	.0	.0		1.6	
	TOT %	1.2	1.2	7.2	6.6	4.5	4.3	2.5	2.9	.0	.0	30.5	
10+	0-3	.0	.8	.0	.8	.0	.0	.0	.0	.0	.8	2.3	
	4-10	6.1	.8	11.1	3.1	4.1	3.7	2.7	.4	.0		32.0	
	11-21	.8	1.6	10.9	4.1	2.7	1.6	3.3	2.3	.0		27.3	
	22+	.0	.0	.0	.0	.8	.0	.0	.8	.0		1.6	
	TOT %	6.8	3.1	22.1	8.0	7.6	5.3	6.1	3.5	.0	.8	63.3	
	TOT OBS												128
	TOT PCT	9.4	5.3	31.6	15.6	12.7	9.6	8.6	6.4	.0	.8	100.0	

NOVEMBER

PERIOD: (PRIMARY) 1927-1977
(OVER-ALL) 1885-1977

AREA 0023 NORFOLK ISLAND
29.0S 167.8E

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET,NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00&03	3.4	.0	.0	3.4	24.1	.0	6.9	.0	.0	.0	37.9	62.1	29
06&09	.0	.0	4.0	16.0	8.0	4.0	4.0	.0	.0	.0	36.0	64.0	25
12&15	.0	5.3	.0	10.5	15.8	.0	5.3	.0	.0	.0	36.8	63.2	19
18&21	.0	.0	4.0	16.0	12.0	4.0	4.0	.0	.0	.0	40.0	60.0	25
TOT	1	1	2	11	15	2	5	0	0	0	37	61	98
PCT	1.0	1.0	2.0	11.2	15.3	2.0	5.1	.0	.0	.0	37.8	62.2	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00&03	.0	.0	.0	6.7	10.0	83.3	30
06&09	.0	.0	2.2	4.3	47.8	45.7	46
12&15	.0	4.5	.0	.0	22.7	72.7	22
18&21	.0	.0	.0	6.3	28.1	65.6	32
TOT	0	1	1	6	39	83	130
PCT	.0	.8	.8	4.6	30.0	63.8	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET,NH >4/8),BY HOUR

HOUR (GMT)	<150 <500YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL OBS
00&03	3.4	3.4	6.9	31.0	62.1	29
06&09	.0	4.0	20.0	16.0	64.0	25
12&15	.0	5.3	13.8	21.1	63.2	19
18&21	.0	4.0	24.0	20.0	56.0	25
TOT	1	4	16	22	60	98
PCT	1.0	4.1	16.3	22.4	61.2	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
75/79	.0	.0	.0	.8	2.3	3.0	.8	.0	9	6.8
70/74	.0	.0	.0	.0	3.8	10.5	12.0	6.0	43	32.3
65/69	.0	.0	.0	2.3	9.0	16.5	11.3	10.5	66	49.6
60/64	.0	.0	.0	.0	3.0	3.8	2.3	2.3	15	11.3
TOTAL	0	0	0	4	24	45	35	25	133	100.0
PCT	.0	.0	.0	3.0	18.0	33.8	26.3	18.8		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
1.3	.0	1.1	1.1	.0	.2	2.6	.4	.0	.0
3.4	2.6	11.3	3.4	3.4	3.2	2.8	2.3	.0	.0
3.6	1.7	15.0	8.6	7.3	6.0	2.1	4.5	.0	.8
.0	.8	3.8	1.1	1.9	2.3	1.5	.0	.0	.0
8.3	5.1	31.2	14.3	12.6	11.7	9.0	7.1	.0	.8

TABLE 15

MEANS,EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00&03	76	75	75	70	61	61	61	70.2	33
06&09	77	76	76	68	62	60	60	68.1	50
12&15	72	71	71	68	63	63	63	67.7	26
18&21	76	75	75	67	64	63	63	67.9	42
TOT	77	76	75	68	63	60	60	68.5	151

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00&03	.0	6.7	23.3	40.0	16.7	13.3	75	30
06&09	.0	2.4	19.0	26.2	31.0	21.4	79	42
12&15	.0	4.0	12.0	44.0	24.0	16.0	78	25
18&21	.0	.0	18.9	29.7	29.7	21.6	79	37
TOT	0	4	25	45	35	25	78	134

NOVEMBER

PERIOD: (PRIMARY) 1927-1977
(OVER-ALL) 1885-1977

TABLE 17

AREA 0023 NORFOLK ISLAND
28.9S 167.8E

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	57 60	61 64	65 68	69 72	73 76	77 80	YDT	W FOG	WO FOG
11/13	.0	.0	.0	.0	1.0	.0	1	.0	1.0
9/10	.0	.0	.0	.0	1.0	.0	1	.0	1.0
7/8	.0	.0	.0	.0	2.0	.0	2	.0	2.0
6	.0	.0	.0	1.0	.0	.0	1	.0	1.0
5	.0	.0	.0	.0	.0	1.0	1	.0	1.0
4	.0	.0	.0	4.1	2.0	.0	6	.0	6.1
3	.0	1.0	.0	2.0	.0	.0	3	.0	3.1
2	.0	.0	.0	6.1	2.0	.0	8	.0	8.2
1	.0	.0	2.0	4.1	2.0	.0	8	1.0	7.1
0	.0	1.0	5.1	5.1	1.0	1.0	13	.0	13.3
-1	.0	.0	3.1	5.1	.0	.0	8	.0	8.2
-2	1.0	.0	8.2	4.1	1.0	.0	14	.0	14.3
-3	.0	.0	5.1	3.1	1.0	.0	9	.0	9.2
-4	.0	4.1	4.1	1.0	.0	.0	9	.0	9.2
-5	.0	1.0	4.1	3.1	.0	.0	8	.0	8.2
-6	.0	.0	1.0	.0	.0	.0	1	.0	1.0
-7/-8	.0	2.0	1.0	.0	.0	.0	3	1.0	2.0
-9/-10	.0	.0	2.0	.0	.0	.0	2	.0	2.0
TOTAL	1	4	35	38	13	2	98	2	96
PCT	1.0	9.2	35.7	38.8	13.3	2.0	100.0	2.0	98.0

PERIOD: (OVER-ALL) 1963-1977

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	2.5	.0	.0	.0	.0	2.5
1-2	.0	3.7	.0	.0	.0	.0	3.7
3-4	.0	3.4	.9	.0	.0	.0	4.3
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	1.2	.0	.0	.0	.0	1.2
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
YDT PCT	.0	10.8	.9	.0	.0	.0	11.7

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	1.2	1.2	.0	.0	.0	.0	2.5
1-2	.0	.0	1.2	.0	.0	.0	1.2
3-4	.0	.0	2.8	.0	.0	.0	2.8
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	1.2	.0	.0	.0	1.2
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
YDT PCT	1.2	1.2	5.2	.0	.0	.0	7.7

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	9.3	3.4	.0	.0	.0	12.7
3-4	.0	3.7	4.6	.0	.0	.0	8.3
5-6	.0	.0	10.5	.0	.0	.0	10.5
7	.0	.0	.9	.0	.0	.0	.9
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	1.2	.0	.0	.0	.0	1.2
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
YDT PCT	.0	14.2	19.4	.0	.0	.0	33.6

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	1.5	.0	.0	.0	.0	.0	1.5
1-2	.0	1.9	.3	.0	.0	.0	2.2
3-4	.0	.0	4.0	.0	.0	.0	4.0
5-6	.0	1.2	6.8	1.2	.0	.0	9.3
7	.0	.0	.3	1.2	.0	.0	1.5
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
YDT PCT	1.5	3.1	11.4	2.5	.0	.0	18.5

PERIOD: (OVER-ALL) 1963-1977

NOVEMBER

TABLE 18 (CONT)

AREA 0023 NORFOLK ISLAND
28.9S 167.8E

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

S

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.9	.0	.0	.0	.0	.0	.9
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	1.2	2.5	.0	.0	.0	3.7
5-6	.0	.0	.9	.0	.0	.0	.9
7	.0	.0	.0	1.2	.0	.0	1.2
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.9	1.2	3.4	1.2	.0	.0	6.8

SW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	3.7	.0	.0	.0	.0	3.7
3-4	.0	.3	.3	.0	.0	.0	.6
5-6	.0	.0	.6	.0	.0	.0	.6
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.3	.0	.0	.0	.3
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	4.0	1.2	.0	.0	.0	5.2

W

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	3.1	2.2	.0	.0	.0	5.2
5-6	.0	.0	2.2	.0	.0	.0	2.2
7	.0	1.2	.9	.0	.0	.0	2.2
8-9	.0	.0	.9	.0	.0	.0	.9
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	4.3	6.2	.0	.0	.0	10.5

NW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	.0	.0	.0	.0	.0	.0	.0	
1-2	.0	.0	2.5	.0	.0	.0	2.5	
3-4	.0	.6	.0	.0	.0	.0	.6	
5-6	.0	.0	.0	1.2	.0	.0	1.2	
7	.0	.0	.3	.0	.0	.0	.3	
8-9	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.0	.6	2.8	1.2	.0	.0	4.6	98.8

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	6.1	3.7	.0	.0	.0	.0	9.8	
1-2	.0	18.3	7.3	.0	.0	.0	25.6	
3-4	.0	12.2	17.1	.0	.0	.0	29.3	
5-6	.0	1.2	20.7	2.4	.0	.0	24.4	
7	.0	1.2	2.4	2.4	.0	.0	6.1	
8-9	.0	1.2	2.4	.0	.0	.0	3.7	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	1.2	.0	.0	.0	.0	1.2	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
								82
TOT PCT	6.1	39.0	50.0	4.9	.0	.0	100.0	

PERIOD: (OVER-ALL) 1951-1977

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	1.1	4.3	10.8	7.5	2.2	2.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	26	4
6-7	.0	.0	4.3	7.5	6.5	4.3	.0	2.2	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	24	7
8-9	1.1	.0	1.1	2.2	6.5	1.1	2.2	2.2	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	16	8
10-11	.0	1.1	3.2	4.3	3.2	4.3	2.2	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	18	7
12-13	.0	.0	1.1	1.1	1.1	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4	6
>13	.0	.0	.0	.0	.0	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	10
INDET	1.1	.0	1.1	2.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4	3
TOTAL	3	5	20	23	18	12	5	4	3	0	0	0	0	0	0	0	0	0	0	93	6
PCT	3.2	5.4	21.5	24.7	19.4	12.9	5.4	4.3	3.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

DECEMBER

PERIOD: (PRIMARY) 1927-1977
(OVER-ALL) 1857-1977

AREA 0023 NORFOLK ISLAND
29.0S 167.9E

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG	DUST BLWG SNOW	NO SIG WEA
N	.0	5.5	.0	.0	.0	.0	.0	5.5	.0	.0	.0	.0	.0		.0	94.5
NE	.0	.0	.0	.0	.0	.0	.0	.0	6.9	.0	.0	.0	.0		.0	93.1
E	1.5	.0	.0	.0	.0	.0	.0	1.5	6.0	.0	3.0	.0	.0		.0	89.5
SE	5.6	1.9	.0	.0	.0	.0	.0	7.5	3.7	.0	.0	.0	.0		.0	88.8
S	.0	3.1	.0	.0	.0	.0	.0	3.1	.0	.0	.0	.0	.0		.0	96.9
SW	.0	6.5	.0	.0	.0	.0	.0	6.5	12.9	.0	.0	.0	.0		.0	80.6
W	.0	15.4	.0	.0	.0	.0	.0	15.4	.0	.0	.0	.0	.0		.0	84.6
NW	.0	5.0	.0	.0	.0	.0	.0	5.0	.0	.0	.0	.0	.0		.0	95.0
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	100.0
TOT PCT	1.5	3.1	.0	.0	.0	.0	.0	4.6	3.8	.0	.8	.0	.0		.0	90.8
TOT OBS:	130															

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG	DUST BLWG SNOW	NO SIG WEA
00603	.0	3.1	.0	.0	.0	.0	.0	3.1	.0	.0	.0	.0	.0	3.1		93.8
06609	1.9	7.7	.0	.0	.0	.0	.0	9.6	1.9	.0	.0	.0	.0	.0		88.5
12615	.0	.0	.0	.0	.0	.0	.0	.0	10.7	.0	.0	.0	.0	.0		89.3
18621	4.2	.0	.0	.0	.0	.0	.0	4.2	4.2	.0	4.2	.0	.0	.0		87.5
TOT PCT	1.5	3.7	.0	.0	.0	.0	.0	5.1	3.7	.0	.7	.0	.0	.7		89.7
TOT OBS:	136															

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	WIND SPEED (KNOTS)									HOUR (GMT)							
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	.6	6.1	3.3	.3	.0	.0		10.4	10.1	13.8	.0	9.6	12.5	11.7	.0	.0	9.8
NE	.6	7.2	4.1	1.0	.0	.0		12.9	11.1	4.3	.0	10.3	14.8	20.8	.0	27.1	9.8
E	.5	10.0	11.9	2.1	.0	.0		24.5	12.2	15.5	.0	28.2	21.6	27.5	.0	22.9	31.5
SE	1.1	6.1	10.5	3.0	.0	.0		20.7	13.9	28.4	.0	25.6	13.6	13.3	.0	33.3	14.1
S	1.6	5.1	4.0	.6	.0	.0		11.3	11.2	12.1	.0	10.3	11.4	12.5	.0	16.7	8.7
SW	.6	3.2	1.1	.0	.0	.0		4.9	9.0	6.0	.0	3.2	11.4	7.5	.0	.0	.0
W	.6	5.3	1.0	.0	.0	.0		6.8	7.3	11.2	.0	4.5	9.1	.0	.0	.0	16.3
NW	.6	2.4	2.9	.0	.0	.0		5.9	10.5	8.6	100.0	8.3	1.1	.0	.0	.0	5.4
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	2.5							2.5	.0	.0	.0	.0	4.3	6.7	.0	.0	4.3
TOT OBS	14	71	61	11	0	0	157		11.2	29	2	39	22	30	0	12	23
TOT PCT	8.9	45.2	38.9	7.0	.0	.0		100.0		100.0	100.0	100.0	100.0	100.0	.0	100.0	100.0

TABLE 3A

	WIND SPEED (KNOTS)								HOUR (GMT)				
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	06 09	12 15	18 21	
N	2.9	6.5	.6	.3	.0		10.4	10.1	12.9	10.7	11.7	6.4	
NE	2.1	9.4	1.1	.3	.0		12.9	11.1	4.0	11.9	20.8	15.7	
E	4.3	15.8	4.5	.0	.0		24.5	12.2	14.5	25.8	27.5	28.6	
SE	2.7	10.2	7.8	.0	.0		20.7	13.9	26.6	21.3	13.3	20.7	
S	1.9	6.8	1.9	.6	.0		11.3	11.2	11.3	10.7	12.5	11.4	
SW	.8	3.5	.6	.0	.0		4.9	9.0	5.6	6.1	7.5	.0	
W	2.9	4.0	.0	.0	.0		6.6	7.3	10.3	6.1	.0	10.7	
NW	1.0	4.3	.6	.0	.0		5.9	10.5	14.5	5.7	.0	3.6	
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	
CALM	2.5						2.5	.0	.0	1.6	6.7	2.9	
TOT OBS	33	95	27	2	0	157		11.2	31	61	30	35	
TOT PCT	21.0	60.5	17.2	1.3	.0		100.0		100.0	100.0	100.0	100.0	

DECEMBER

PERIOD: (PRIMARY) 1927-1977
(OVER-ALL) 1857-1977

AREA 0023 NORFOLK ISLAND
28.9S 167.8E

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS) 1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00603	.0	9.7	48.4	35.5	6.5	.0	.0	11.1	100.0	31
06609	1.6	9.8	39.3	42.6	6.6	.0	.0	11.0	100.0	61
12615	6.7	.0	36.7	56.7	.0	.0	.0	10.8	100.0	30
18621	2.9	2.9	60.0	20.0	14.3	.0	.0	11.8	100.0	35
TOT	4	10	71	61	11	0	0	11.2		157
PCT	2.5	6.4	45.2	38.9	7.0	.0	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	3.9	2.3	2.6	2.1		4.0
NE	.8	1.0	2.3	3.1		6.1
E	6.5	4.7	12.6	1.0		4.3
SE	3.4	5.7	14.1	2.1		5.1
S	1.6	6.8	4.2	1.0		4.3
SW	1.3	2.9	1.3	.0		3.7
W	1.8	.8	1.6	1.0		4.7
NW	1.3	2.9	.8	1.0		4.3
VAR	.0	.0	.0	.0		.0
CALM	1.0	.0	.0	.0		.0
TOT OBS	21	26	38	11	96	4.5
TOT PCT	21.9	27.1	39.6	11.5	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT,NH >4/8) AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

WND DIR	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	TOTAL OBS
N	.0	.0	.0	.8	3.1	.0	.0	.0	.0	.0	7.0	
NE	.0	.0	.0	1.0	.8	.0	1.0	.0	.0	.0	4.9	
E	.0	.0	.0	3.1	3.9	1.0	.0	.0	.0	.0	16.9	
SE	1.0	.0	.0	6.3	3.1	1.0	1.0	.0	.0	.0	12.8	
S	.0	.0	1.0	2.1	.0	.0	.0	.0	.0	.0	10.7	
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.5	
W	.0	.0	1.0	.0	.8	.0	.0	.0	.0	.0	3.4	
NW	.0	.0	.0	.3	1.3	.0	.0	.0	.0	.0	4.4	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	
TOT OBS	1	0	2	13	12	2	2	0	0	0	64	96
TOT PCT	1.0	.0	2.1	13.5	12.5	2.1	2.1	.0	.0	.0	66.7	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) * OR >10	* OR >5	* OR >2	* OR >1	* OR >1/2	* OR >1/4	* OR >50YD	* OR >0
* OR >6500	.0	.0	.0	.0	.0	.0	.0	.0
* OR >5000	.0	.0	.0	.0	.0	.0	.0	.0
* OR >3500	1.0	2.1	2.1	2.1	2.1	2.1	2.1	2.1
* OR >2000	2.1	5.2	5.2	5.2	5.2	5.2	5.2	5.2
* OR >1000	11.3	16.5	16.5	16.5	16.5	16.5	16.5	16.5
* OR >600	21.6	27.8	29.9	29.9	29.9	29.9	29.9	29.9
* OR >300	23.7	29.9	32.0	32.0	32.0	32.0	32.0	32.0
* OR >150	23.7	29.9	32.0	32.0	32.0	32.0	32.0	32.0
* OR > 0	24.7	30.9	33.0	33.0	33.0	33.0	33.0	33.0
TOTAL	24	30	32	32	32	32	32	32

TOTAL NUMBER OF OBS: 97

PCT FREQ NH <5/8: 67.0

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8 OBSCD	TOTAL OBS
6.6	14.2	15.1	14.2	16.0	10.4	7.5	8.5	7.5	.0	106

DECEMBER

PERIOD: (PRIMARY) 1927-1977
(OVER-ALL) 1857-1977

AREA 0023 NORFOLK ISLAND
28.9S 167.8E

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	PCP	.6	.0	.0	.0	.0	.0	.0	.2	.0	.0	.8	
	NO PCP	.0	.0	.0	.0	.8	.0	.0	.0	.0	.8	1.5	
	TOT %	.6	.0	.0	.0	.8	.0	.0	.2	.0	.8	2.3	
5<10	PCP	.0	.0	.4	1.5	.4	.4	.4	.0	.0	.0	3.1	
	NO PCP	1.9	6.3	6.0	1.2	1.2	1.5	2.7	.0	.0	1.5	22.3	
	TOT %	1.9	6.3	6.3	2.7	1.5	1.9	3.1	.0	.0	1.5	25.4	
10+	PCP	.0	.0	.0	.0	.0	.0	.8	.0	.0	.0	.8	
	NO PCP	8.1	4.8	19.2	17.9	10.2	4.0	3.7	3.7	.0	.0	71.5	
	TOT %	8.1	4.8	19.2	17.9	10.2	4.0	4.4	3.7	.0	.0	72.3	
	TOT OBS												130
	TOT PCT	10.6	11.2	25.6	20.6	12.5	6.0	7.5	3.8	.0	2.3	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	.8	
	4-10	.6	.0	.0	.0	.8	.0	.0	.2	.0		1.5	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.6	.0	.0	.0	.8	.0	.0	.2	.0	.8	2.3	
5<10	0-3	.0	.8	.0	.4	.4	.8	.8	.0	.0	1.5	4.6	
	4-10	.8	2.3	3.1	.4	.8	.8	1.9	.0	.0		9.9	
	11-21	.8	2.1	2.5	1.1	.4	.4	.4	.0	.0		7.6	
	22+	.4	1.1	.8	.8	.0	.0	.0	.0	.0		3.1	
	TOT %	1.9	6.3	6.3	2.7	1.5	1.9	3.1	.0	.0	1.5	25.2	
10+	0-3	.8	.0	.6	.2	.8	.0	.0	.0	.0	.0	2.3	
	4-10	4.0	3.6	6.9	6.9	4.6	2.1	3.6	1.7	.0		34.4	
	11-21	3.2	1.1	10.9	8.8	4.4	1.0	.8	1.9	.0		32.1	
	22+	.0	.0	.8	2.3	.8	.0	.0	.0	.0		3.8	
	TOT %	8.0	4.8	19.1	18.1	10.5	4.0	4.4	3.6	.0	.0	72.5	
	TOT OBS												131
	TOT PCT	10.5	11.1	25.4	20.8	12.8	5.9	7.4	3.8	.0	2.3	100.0	

DECEMBER

PERIOD: (PRIMARY) 1927-1977
(OVER-ALL) 1857-1977

AREA 0023 NORFOLK ISLAND
26.9S 167.8E

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET,NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00&03	.0	.0	3.1	6.3	3.1	3.1	.0	.0	.0	.0	15.6	84.4	32
06&09	.0	.0	3.1	9.4	18.8	3.1	3.1	.0	.0	.0	37.5	62.5	32
12&15	3.8	.0	.0	15.4	11.5	3.8	.0	.0	.0	.0	34.6	65.4	26
18&21	.0	.0	.0	30.8	15.4	.0	7.7	.0	.0	.0	53.8	46.2	13
TOT	1	0	2	13	12	3	2	0	0	0	33	70	103
PCT	1.0	.0	1.9	12.6	11.7	2.9	1.9	.0	.0	.0	32.0	68.0	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00&03	.0	.0	.0	3.1	3.1	93.8	32
06&09	.0	.0	.0	.0	40.4	59.6	52
12&15	.0	.0	.0	3.6	14.3	82.1	28
18&21	.0	.0	.0	4.0	40.0	56.0	25
TOT	0	0	0	3	36	98	137
PCT	.0	.0	.0	2.2	26.3	71.5	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET,NH >4/8),BY HOUR

HOUR (GMT)	<150 <500	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL OBS
00&03	.0	3.4	10.3	6.9	82.8	29
06&09	.0	3.2	12.9	22.6	64.5	31
12&15	4.2	4.2	25.0	16.7	58.3	24
18&21	.0	.0	30.8	23.1	46.2	13
TOT	1	3	17	16	64	97
PCT	1.0	3.1	17.5	16.5	66.0	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
80/84	.0	.0	.0	.0	.0	1.6	.0	.0	2	1.6
75/79	.0	.0	.0	2.3	7.8	4.7	3.9	.8	25	19.4
70/74	.0	.0	.0	1.6	7.0	14.7	24.0	14.0	79	61.2
65/69	.0	.0	.0	.8	2.3	7.8	4.7	1.6	22	17.1
60/64	.0	.0	.0	.0	.0	.8	.0	.0	1	.8
TOTAL	0	0	0	6	22	38	42	21	129	100.0
PCT	.0	.0	.0	4.7	17.1	29.5	32.6	16.3		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
.0	.0	.0	.0	.0	.0	.6	1.0	.0	.0
2.7	.8	3.5	3.5	3.7	1.4	1.9	1.9	.0	.0
6.2	10.3	19.4	12.2	3.5	1.9	4.1	2.9	.0	.8
1.0	2.1	3.9	3.1	4.8	1.7	.4	.0	.0	.0
.0	.0	.0	.8	.0	.0	.0	.0	.0	.0
9.9	13.2	26.7	19.6	12.0	5.0	7.0	5.8	.0	.8

TABLE 15

MEANS,EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00&03	81	80	80	75	71	68	68	74.7	32
06&09	79	78	78	72	68	66	66	72.4	60
12&15	76	75	73	70	66	64	64	70.1	31
18&21	75	74	74	70	67	67	67	70.2	33
TOT	81	80	77	72	67	66	64	71.9	156

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00&03	.0	3.1	34.4	37.5	21.9	3.1	74	32
06&09	.0	9.8	15.7	19.6	39.2	15.7	78	51
12&15	.0	.0	8.0	36.0	28.0	28.0	81	25
18&21	.0	.0	8.3	29.2	41.7	20.8	82	24
TOT	0	6	23	38	44	21	78	132

DECEMBER

PERIOD: (PRIMARY) 1927-1977
(OVER-ALL) 1857-1977

AREA 0023 NORFOLK ISLAND
28.9S 167.8E

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	61 64	65 68	69 72	73 76	77 80	81 84	TOT	W FOG	WO FOG
9/10	.0	.0	.0	.0	1.1	.0	1	.0	1.1
7/8	.0	.0	.0	1.1	2.2	.0	3	.0	3.3
5	.0	.0	.0	3.3	4.3	.0	7	.0	7.6
4	.0	.0	.0	.0	1.1	.0	1	.0	1.1
3	.0	.0	3.3	2.2	1.1	.0	6	.0	6.5
2	.0	.0	.0	6.5	1.1	1.1	8	.0	8.7
1	.0	.0	3.3	5.4	.0	.0	8	.0	8.7
0	.0	2.2	5.4	2.2	.0	.0	9	.0	9.8
-1	.0	1.1	8.7	1.1	.0	.0	10	1.1	9.8
-2	.0	4.3	9.8	3.3	.0	.0	16	.0	17.4
-3	.0	3.3	5.4	.0	.0	.0	8	.0	8.7
-4	.0	2.2	3.3	.0	.0	.0	5	.0	5.4
-5	.0	.0	5.4	1.1	.0	.0	6	.0	6.5
-6	.0	1.1	1.1	.0	.0	.0	2	.0	2.2
-7/-8	1.1	.0	1.1	.0	.0	.0	2	.0	2.2
TOTAL	1		43		10			1	91
		13		24		1	92		
PCT	1.1	14.1	46.7	26.1	10.9	1.1	100.0	1.1	98.9

PERIOD: (OVER-ALL) 1963-1977

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	1.8	.0	.0	.0	.0	1.8
1-2	1.2	2.1	1.2	.0	.0	.0	4.6
3-4	.0	2.1	.9	.0	.0	.0	3.0
5-6	.0	.0	.9	.0	.0	.0	.9
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.2	6.1	3.0	.0	.0	.0	10.4

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.3	.0	.0	.0	.3
1-2	.0	1.8	.0	.0	.0	.0	1.8
3-4	.0	1.2	.0	.0	.0	.0	1.2
5-6	.0	.0	1.5	1.2	.0	.0	2.7
7	.0	.0	1.2	.0	.0	.0	1.2
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	3.0	3.0	1.2	.0	.0	7.3

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.9	.0	.0	.0	.9
1-2	.0	8.8	1.2	.0	.0	.0	10.1
3-4	.0	1.2	7.3	.0	.0	.0	8.5
5-6	.0	.0	5.8	.0	.0	.0	5.8
7	.0	.0	.9	1.2	.0	.0	2.1
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	10.1	16.2	1.2	.0	.0	27.4

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	1.2	.0	.0	.0	.0	1.2
1-2	.0	5.5	1.2	.0	.0	.0	6.7
3-4	.0	2.4	3.7	.0	.0	.0	6.1
5-6	.0	.0	6.1	1.2	.0	.0	7.3
7	.0	.0	.3	1.2	.0	.0	1.5
8-9	.0	.0	1.2	.0	.0	.0	1.2
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	9.1	12.5	2.4	.0	.0	24.1

PERIOD: (OVER-ALL) 1963-1977

DECEMBER

TABLE 18 (CONT)

AREA 0023 NORFOLK ISLAND
28.9S 167.8E

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

S

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	3.7	.0	.0	.0	.0	3.7
1-2	.0	3.0	2.4	.0	.0	.0	5.5
3-4	.0	1.2	1.2	.0	.0	.0	2.4
5-6	.0	.0	.0	1.2	.0	.0	1.2
7	.0	.0	2.1	.0	.0	.0	2.1
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	7.9	5.8	1.2	.0	.0	14.9

SW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.3	.0	.0	.0	.0	.3
1-2	.0	.6	.0	.0	.0	.0	.6
3-4	.0	3.7	.0	.0	.0	.0	3.7
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.3	.0	.0	.0	.3
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	4.6	.3	.0	.0	.0	4.9

W

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.9	.0	.0	.0	.0	.9
1-2	.0	2.1	.0	.0	.0	.0	2.1
3-4	.0	.9	.0	.0	.0	.0	.9
5-6	.0	.0	1.2	.0	.0	.0	1.2
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	4.0	1.2	.0	.0	.0	5.2

NW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	1.2	.6	.0	.0	.0	.0	1.8	
1-2	.0	.3	.0	.0	.0	.0	.3	
3-4	.0	1.8	.3	.0	.0	.0	2.1	
5-6	.0	.0	1.5	.0	.0	.0	1.5	
7	.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	1.2	2.7	1.8	.0	.0	.0	5.8	100.0

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	2.4	8.4	1.2	.0	.0	.0	12.0	
1-2	1.2	24.1	6.0	.0	.0	.0	31.3	
3-4	.0	14.5	13.3	.0	.0	.0	27.7	
5-6	.0	.0	16.9	3.6	.0	.0	20.5	
7	.0	.0	4.8	2.4	.0	.0	7.2	
8-9	.0	.0	1.2	.0	.0	.0	1.2	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	3.6	47.0	43.4	6.0	.0	.0	100.0	83

PERIOD: (OVER-ALL) 1952-1977

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	.0	7.1	8.2	5.1	9.2	1.0	.0	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	31	5
6-7	.0	1.0	5.1	5.1	6.1	4.1	1.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	6
8-9	.0	.0	2.0	8.2	10.2	.0	2.0	.0	2.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	25	7
10-11	.0	1.0	2.0	6.1	.0	2.0	2.0	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	14	6
12-13	.0	.0	3.1	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4	4
>13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
INDET	.0	.0	.0	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	7
TOTAL	0	9	20	25	26	7	5	1	4	1	0	0	0	0	0	0	0	0	0	98	6
PCT	.0	9.2	20.4	25.5	26.5	7.1	5.1	1.0	4.1	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

ANNUAL

PERIOD: (PRIMARY) 1926-1978
(OVER-ALL) 1857-1978

AREA 0023 NORFOLK ISLAND
28.9S 167.9E

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
N	5.5	1.5	5.5	.0	.0	.0	.9	14.5	2.9	.0	.0	.0	.5		.0	82.1
NE	6.7	3.0	2.0	.0	.0	.0	.0	11.7	4.4	1.1	1.2	.0	.2		.0	81.4
E	3.7	1.4	2.2	.0	.0	.0	.0	6.8	1.5	.0	.3	.5	.0		.0	91.0
SE	2.9	2.0	1.3	.0	.0	.0	.5	6.6	2.6	.0	.0	.0	.0		.0	90.8
S	1.8	2.4	.4	.0	.0	.0	.0	4.4	3.0	.0	.0	.0	.0		.0	92.6
SW	2.4	3.4	.0	.0	.0	.0	.0	5.9	2.4	.8	.0	.0	1.9		.2	89.0
W	3.2	3.4	1.5	.0	.0	.0	.0	8.2	2.5	1.7	2.3	.0	.9		1.2	84.5
NW	3.7	6.4	.4	.0	.0	.0	.0	10.4	5.4	1.8	1.8	.0	.0		.0	81.6
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0
CALM	.0	.0	8.3	.0	.0	.0	.0	8.3	.0	.0	4.2	.0	.0		.0	79.2
TOT PCT	3.4	2.5	1.3	.0	.0	.0	.2	7.4	2.6	.6	.3	.1	.2		.2	88.8
TOT OBS:	1668															

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
00&03	2.2	1.3	1.9	.0	.0	.0	.3	5.6	1.8	.0	.0	.0	.3		.5	91.8
06&09	3.7	3.8	1.8	.0	.0	.0	.2	9.2	1.7	.6	.5	.0	.4		.0	88.2
12&15	3.3	.6	1.0	.0	.0	.0	.0	4.9	4.0	1.9	.0	.3	.0		.3	88.6
18&21	4.1	3.4	.4	.0	.0	.0	.2	8.1	3.1	.0	.5	.2	.2		.5	87.4
TOT PCT	3.4	2.6	1.3	.0	.0	.0	.2	7.4	2.6	.7	.3	.1	.2		.3	88.8
TOT OBS:	1701															

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	WIND SPEED (KNOTS)									HOUR (GMT)							
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	.4	3.3	2.5	.8	*	*		7.1	12.7	6.2	6.3	6.5	8.5	6.6	.0	6.9	7.0
NE	.7	4.0	3.6	.8	.1	*		9.2	11.8	8.4	2.8	8.0	6.7	13.4	5.2	13.2	6.8
E	.8	7.0	10.5	2.2	.1	.0		20.7	13.0	19.7	16.7	21.2	18.4	22.2	13.5	22.9	19.8
SE	.7	6.1	11.2	2.8	.1	*		21.0	14.2	26.7	10.4	21.8	18.0	19.5	13.9	21.3	16.9
S	.9	4.7	6.0	1.4	*	.0		13.0	12.5	13.9	8.3	14.5	13.2	10.9	8.3	10.6	12.1
SW	.6	4.3	4.8	1.7	.2	.0		11.5	13.1	9.5	2.8	10.8	15.7	11.0	8.3	9.0	13.7
W	.4	3.9	3.4	1.5	.6	.0		9.7	13.3	9.2	6.3	8.8	10.0	10.1	9.0	9.0	12.4
NW	.4	3.0	2.5	.5	.1	.0		6.5	12.3	6.1	13.2	7.0	6.8	4.6	8.3	6.0	10.2
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	1.2							1.2	.0	.2	.0	1.3	2.7	1.8	.0	1.2	1.1
TOT OBS							1971		13.2	404	11	370	317	325	16	297	231
TOT PCT	6.1	36.2	44.6	11.6	1.4	.1		100.0		100.0	66.7	100.0	100.0	100.0	66.7	100.0	100.0

TABLE 3A

	WIND SPEED (KNOTS)								HOUR (GMT)			
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	06 09	12 15	18 21
N	1.4	4.1	1.1	.4	*		7.1	12.7	6.1	7.3	6.4	7.7
NE	2.3	5.1	1.4	.4	*		9.2	11.8	8.4	7.3	13.4	9.8
E	3.1	12.3	4.8	.5	.0		20.7	13.0	19.9	19.8	22.0	22.0
SE	2.8	10.7	6.3	1.0	.2		21.0	14.2	26.3	20.2	19.6	19.1
S	2.3	7.2	3.2	.3	.0		13.0	12.5	13.8	14.1	10.9	11.3
SW	2.0	5.8	3.2	.7	.0		11.5	13.1	9.6	13.4	11.0	10.8
W	1.8	4.7	2.0	1.1	.1		9.7	13.3	9.1	9.6	10.3	10.2
NW	1.5	3.7	1.0	.2	.1		6.5	12.3	6.7	6.5	4.7	7.8
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	1.2						1.2	.0	.2	1.8	1.8	1.2
TOT OBS						1971		13.2	415	687	341	528
TOT PCT	18.4	53.5	23.0	4.7	.4		100.0		100.0	100.0	100.0	100.0

ANNUAL

PERIOD: (PRIMARY) 1926-1970
(OVER-ALL) 1857-1970

AREA 0023 NORFOLK ISLAND
28.9S 167.9E

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS) 1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00&03	.2	4.9	32.6	49.4	11.7	1.3	.0	13.9	100.0	415
06&09	1.8	6.1	36.0	42.4	12.2	1.4	.1	13.1	100.0	687
12&15	1.8	4.6	31.2	48.3	12.8	1.0	.3	13.5	100.0	341
18&21	1.2	3.8	42.0	41.1	10.4	1.5	.0	12.6	100.0	526
TOT								13.2		1971
PCT	1.2	4.9	36.2	44.6	11.6	1.4	.1		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	1.3	1.0	2.6	1.7		5.2
NE	2.1	1.4	2.9	2.8		5.3
E	4.5	4.9	8.1	3.6		5.0
SE	3.8	6.6	8.0	4.5		4.9
S	2.7	4.9	4.6	1.3		4.2
SW	2.4	3.2	3.6	1.1		4.6
W	2.4	2.8	3.1	1.2		4.7
NW	1.4	1.3	2.1	1.0		5.0
VAR	.0	.0	.0	.0		.0
CALM	.5	.2	.3	.0		2.2
TOT OBS					1221	4.7
TOT PCT	21.1	26.4	45.3	17.2	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT,NH >4/8) AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

WND DIR	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	TOTAL OBS
N	.0	.0	.2	1.0	1.2	.2	.2	.0	.0	.0	3.9	
NE	.2	.3	.3	1.4	.9	.3	.2	.1	.0	.0	5.4	
E	.2	.1	.6	2.2	3.5	1.4	.2	.0	.1	.1	12.8	
SE	.2	.0	.6	3.1	3.3	1.7	.8	.2	.0	.0	13.1	
S	.0	.0	.3	2.0	1.3	.7	.4	.0	.0	.0	9.1	
SW	*	*	*	.9	1.2	.5	.4	.0	.0	.0	7.3	
W	.1	.2	.2	.7	1.5	.3	.1	.0	.0	.0	6.3	
NW	*	.1	.1	.9	1.0	.2	*	.0	.0	.0	3.5	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.0	.0	.1	.1	.0	.1	.0	.0	.0	.7	
TOT OBS												1221
TOT PCT	.7	.7	2.2	12.4	13.8	5.3	2.3	.3	.1	.1	62.1	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) * OR >10	* OR >5	* OR >2	* OR >1	* OR >1/2	* OR >1/4	* OR >50YD	* OR >0
* OR >6500	.1	.1	.1	.1	.1	.1	.1	.1
* OR >5000	.4	.4	.4	.4	.4	.4	.4	.4
* OR >3500	1.9	2.5	2.6	2.6	2.6	2.6	2.6	2.6
* OR >2000	6.6	7.9	8.0	8.0	8.0	8.0	8.0	8.0
* OR >1000	17.4	20.7	21.5	21.7	21.7	21.7	21.7	21.7
* OR >600	26.5	32.1	33.3	33.8	33.9	33.9	34.0	34.0
* OR >300	27.8	33.7	35.5	36.0	36.1	36.1	36.2	36.2
* OR >150	27.8	34.1	36.0	36.5	36.8	36.8	36.9	36.9
* OR > 0	27.9	34.3	36.3	37.0	37.3	37.4	37.6	37.6

TOTAL NUMBER OF OBS: 1234 PCT FREQ NH <5/8: 62.4

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	OBSCD	TOTAL OBS
3.8	11.1	18.2	15.5	13.1	9.2	7.5	8.9	12.1	.5	1297

ANNUAL

PERIOD: (PRIMARY) 1926-1978
(OVER-ALL) 1857-1978

AREA 0023 NORFOLK ISLAND
28.9S 167.9E

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	*	*	.0	.0	.0	*	*	.1	.0	.0	.2	
	NO PCP	.0	.0	.1	.0	.0	.0	.1	*	.0	.0	.1	
	TOT %	*	*	.1	.0	.0	*	.1	.1	.0	.0	.3	
1/2<1	PCP	.0	.0	.1	.0	.0	.1	.0	.0	.0	.0	.1	
	NO PCP	.1	.1	.0	.0	.0	.0	.1	.0	.0	.1	.3	
	TOT %	.1	.1	.1	.0	.0	.1	.1	.0	.0	.1	.4	
1<2	PCP	.1	.1	.0	.0	.0	.1	.2	.0	.0	.0	.3	
	NO PCP	.1	.0	.2	.0	.0	.0	.1	.1	.0	.0	.3	
	TOT %	.1	.1	.2	.0	.0	.1	.2	.1	.0	.0	.7	
2<5	PCP	.2	.3	.3	.1	.1	*	*	.1	.0	.0	1.1	
	NO PCP	.2	.1	.5	.4	.3	.3	.1	.0	.0	.1	2.0	
	TOT %	.4	.4	.8	.4	.4	.3	.1	.1	.0	.1	3.0	
5<10	PCP	.5	.4	.5	.7	.3	.5	.4	.6	.0	.1	4.0	
	NO PCP	1.6	2.1	4.3	3.7	2.7	3.0	2.7	1.5	.0	.2	21.8	
	TOT %	2.1	2.5	4.8	4.5	3.1	3.4	3.2	2.1	.0	.3	25.9	
10+	PCP	.1	.2	.3	.4	.2	.1	.2	*	.0	.0	1.6	
	NO PCP	4.3	6.0	14.4	15.8	9.6	7.3	6.0	3.7	.0	.9	68.1	
	TOT %	4.4	6.3	14.7	16.2	9.9	7.4	6.2	3.7	.0	.9	69.7	
	TOT OBS												1665
	TOT PCT	7.1	9.4	20.6	21.1	13.3	11.3	9.9	6.0	.0	1.3	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.1	.0	.0	*	.1	.0		.2	
	11-21	.0	.0	.1	.0	.0	.1	.0	.0	.0		.1	
	22+	*	*	.1	.0	.0	*	*	.0	.0		.2	
	TOT %	*	*	.1	.1	.0	.1	.1	.1	.0	.0	.5	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	
	4-10	.0	.0	.1	.1	.0	.0	.0	.0	.0		.1	
	11-21	.1	.1	.1	.0	.0	.1	.0	.0	.0		.3	
	22+	*	*	.1	.0	.0	.0	.1	.0	.0		.2	
	TOT %	.1	.1	.2	.1	.0	.1	.1	.0	.0	.1	.7	
1<2	0-3	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.1	
	4-10	.1	.1	.3	.2	*	.1	.2	*	.0		.9	
	11-21	.0	.1	.1	*	.1	.1	.0	.0	.0		.3	
	22+	.1	.1	.0	.0	.0	.1	.2	.1	.0		.4	
	TOT %	.1	.2	.3	.3	.1	.2	.3	.1	.0	.0	1.6	
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	
	4-10	.1	.2	.1	.1	.1	.2	.1	*	.0		.9	
	11-21	.2	.2	.6	.2	.2	.0	.0	.1	.0		1.3	
	22+	.2	.1	.1	.2	.1	.1	.1	*	.0		.8	
	TOT %	.4	.4	.8	.5	.4	.3	.1	.1	.0	.1	3.1	
5<10	0-3	.1	.1	.2	.1	.2	.2	.2	*	.0	.3	1.5	
	4-10	.6	.9	1.7	1.4	1.1	1.3	1.0	1.2	.0		9.1	
	11-21	1.0	.9	2.4	1.6	1.3	1.5	.7	.6	.0		10.0	
	22+	.3	.6	.6	1.1	.4	.3	1.2	.3	.0		4.8	
	TOT %	2.0	2.5	4.8	4.3	3.0	3.4	3.1	2.0	.0	.3	25.5	
10+	0-3	.4	.7	.6	.5	.5	.2	.2	.3	.0	.9	4.3	
	4-10	2.4	2.7	5.0	4.4	3.6	2.7	2.5	1.4	.0		24.8	
	11-21	1.3	2.5	7.6	9.5	4.8	3.0	2.7	1.7	.0		33.1	
	22+	.2	.2	1.2	1.6	.9	1.4	.6	.3	.0		6.5	
	TOT %	4.3	6.1	14.4	15.9	9.8	7.3	6.1	3.7	.0	.9	68.6	
	TOT OBS												1697
	TOT PCT	7.0	9.4	20.6	21.2	13.3	11.4	9.9	6.0	.0	1.3	100.0	

ANNUAL

PERIOD: (PRIMARY) 1926-1978
(OVER-ALL) 1857-1978

AREA 0023 NORFOLK ISLAND
29.0S 167.9E

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET,NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00&03	.5	.2	2.4	8.3	14.8	6.9	1.7	.0	.2	.0	35.1	64.9	385
06&09	.9	1.0	2.1	12.8	12.2	4.2	2.9	.0	.0	.0	36.0	64.0	344
12&15	1.0	1.6	2.0	12.4	11.8	5.6	1.3	.3	.0	.3	36.3	63.7	281
18&21	.4	.0	2.1	15.2	15.4	4.4	4.0	1.0	.0	.0	42.4	57.6	260
TOT.													1270
PCT	.7	.6	2.2	12.0	13.5	5.3	2.2	.3	.1	.1	36.9	63.1	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00&03	.2	.2	.5	2.9	7.4	88.8	393
06&09	.9	1.4	3.2	3.0	38.4	53.1	594
12&15	.3	1.0	.7	4.1	17.3	76.7	315
18&21	.2	.2	1.4	2.5	30.7	65.0	428
TOT							1730
PCT	.5	.7	1.6	3.0	25.6	68.6	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET,NH >4/8),BY HOUR

HOUR (GMT)	<150 <50VSBY	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL OBS
00&03	.5	3.2	13.1	22.9	64.0	380
06&09	1.0	4.3	18.5	18.9	62.6	333
12&15	1.0	5.6	20.5	18.7	60.8	266
18&21	.4	2.5	19.6	23.2	57.2	255
TOT						1234
PCT	.7	3.8	17.7	20.7	61.6	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
90/94	.0	.1	.0	.0	.0	.0	.0	.0		.1
85/89	.1	.0	.0	.1	.0	.0	.0	.0		.1
80/84	.0	.0	.0	.0	.2	.5	.1	.1		.8
75/79	.0	.0	.1	.5	2.1	2.8	3.5	2.2		11.3
70/74	.0	.0	.0	1.7	5.5	9.0	11.4	7.7		35.2
65/69	.0	.0	.0	1.5	6.5	9.7	7.1	6.2		31.0
60/64	.0	.0	.0	1.2	6.1	5.7	4.9	2.9		20.8
55/59	.0	.0	.0	.1	.0	.2	.3	.3		.8
TOTAL									1626	100.0
PCT	.1	.1	.1	5.0	20.4	27.8	27.2	19.4		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
.0	.0	.0	.0	.0	.0	.0	.0	.0	.1
.0	.1	.1	.0	.0	.0	.0	.0	.0	.0
.1	.0	.3	.1	.1	.0	.1	.1	.0	.1
1.2	1.4	3.2	2.5	1.0	.6	.7	.5	.0	.1
2.2	3.5	9.0	8.6	3.3	2.5	3.3	2.2	.0	.4
2.8	3.2	5.2	5.2	4.2	4.1	2.9	3.2	.0	.2
.6	1.2	3.4	4.0	4.0	4.3	2.4	.7	.0	.2
.1	.0	.1	.2	.3	.1	.1	.0	.0	.0
7.0	9.5	21.2	20.6	12.9	11.7	9.5	6.6	.0	1.0

TABLE 15

MEANS,EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00&03	92	78	76	71	66	65	58	70.4	415
06&09	86	78	74	69	65	63	58	68.8	684
12&15	82	77	73	68	64	63	55	68.2	344
18&21	82	72	72	68	64	63	55	67.8	518
TOT	92	78	74	69	64	63	55	68.8	1961

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00&03	.0	7.7	27.8	28.2	26.3	10.0	75	371
06&09	.2	6.2	20.0	27.9	26.6	19.1	78	558
12&15	.0	1.6	13.6	33.5	27.9	23.4	80	296
18&21	.0	4.3	19.5	23.8	28.6	23.9	79	426
TOT	1	86	343	454	447	320	78	1651

ANNUAL

PERIOD: (PRIMARY) 1926-1978
(OVER-ALL) 1857-1978

AREA 0023 NORFOLK ISLAND
28.9S 167.9E

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	53 56	57 60	61 64	65 68	69 72	73 76	77 80	81 84	85 88	89 92	TOT	N FOG	WD FOG
17/19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	1	.0	.1
14/16	.0	.0	.0	.0	.0	.2	.2	.0	.1	.0	5	.0	.4
11/13	.0	.0	.0	.0	.0	.2	.2	.1	.0	.0	7	.0	.6
9/10	.0	.0	.0	.0	.1	.3	.3	.2	.1	.0	11	.0	.9
7/8	.0	.0	.0	.1	.2	.4	.6	.4	.0	.0	20	.0	1.6
6	.0	.0	.0	.1	.1	.1	.1	.1	.0	.0	5	.0	.4
5	.0	.0	.0	.1	.3	.4	.5	.2	.0	.0	18	.0	1.5
4	.0	.0	.0	.1	1.1	.4	.6	.1	.0	.0	28	.0	2.3
3	.0	.0	.1	.3	1.4	.8	.4	.0	.0	.0	37	.0	3.0
2	.0	.0	.1	1.0	2.2	2.0	1.1	.1	.0	.0	78	.1	6.3
1	.0	.0	.1	1.9	1.7	3.4	.5	.0	.0	.0	93	.1	7.5
0	.0	.0	1.5	4.2	3.1	3.3	1.0	.0	.0	.0	164	.0	13.1
-1	.0	.1	.9	3.7	3.9	2.6	.2	.0	.0	.0	142	.1	11.2
-2	.0	.2	2.5	3.7	4.4	1.6	.1	.0	.0	.0	156	.0	12.5
-3	.0	.2	2.2	3.3	3.2	1.5	.3	.0	.0	.0	135	.1	10.6
-4	.0	.1	3.4	2.0	2.0	.6	.1	.0	.0	.0	102	.0	8.0
-5	.0	.2	3.2	2.2	2.8	.6	.0	.0	.0	.0	115	.0	9.1
-6	.1	.3	1.0	.9	.9	.2	.1	.0	.0	.0	47	.0	3.8
-7/-8	.1	.3	1.9	1.3	.8	.3	.0	.0	.0	.0	60	.1	4.6
-9/-10	.1	.4	.5	.5	.1	.2	.0	.0	.0	.0	23	.0	1.7
-11/-13	.1	.1	.0	.1	.2	.0	.0	.0	.0	.0	6	.0	.5
TOTAL											1253		
PCT	.3	1.8	17.2	25.6	28.4	19.0	6.2	1.1	.2	.1	100.0	.4	99.6

PERIOD: (OVER-ALL) 1963-1978

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.6	.0	.0	.0	.0	.6
1-2	.3	1.0	.5	.0	.0	.0	1.8
3-4	.0	1.1	.9	.0	.0	.0	2.0
5-6	.0	.2	.3	.1	.0	.0	.5
7	.0	.3	.2	.3	.0	.0	.7
8-9	.0	.1	.2	.1	.0	.1	.5
10-11	.0	.0	.0	.1	.0	.0	.1
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.3	3.2	2.1	.5	.0	.1	6.2

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.6	.5	.1	.0	.0	.0	1.2
1-2	*	2.1	.6	.0	.0	.0	2.7
3-4	.0	.6	2.0	.0	.0	.0	2.6
5-6	.0	.1	1.0	.5	.0	.0	1.5
7	.0	.1	.7	.1	.0	.0	1.0
8-9	.0	.0	.3	.1	.0	*	.4
10-11	.0	.0	.0	.2	.1	.0	.3
12	.0	.0	.0	.1	.0	.0	.1
13-16	.0	.1	.1	.0	.0	.0	.2
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.6	3.6	4.3	.9	.1	*	10.1

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.2	.7	.1	.0	.0	.0	1.0
1-2	.4	3.8	1.4	.0	.0	.0	5.7
3-4	.1	1.8	4.3	.1	.0	.0	6.3
5-6	.0	.4	4.0	.9	.0	.0	5.2
7	.0	.0	1.3	.7	.0	.0	2.0
8-9	.0	.1	.6	.2	.0	.0	1.0
10-11	.0	.1	.0	.2	.0	.0	.3
12	.0	.0	.0	.2	.0	.0	.2
13-16	.0	.1	.0	.0	.1	.0	.2
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.7	7.0	11.7	4.2	.1	.0	21.8

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.2	.8	.0	.0	.0	.0	1.0
1-2	.3	2.3	1.0	.0	.0	.0	3.6
3-4	.1	2.2	4.0	.1	.0	.0	6.4
5-6	.0	.4	5.2	.9	.0	.0	6.6
7	.0	.0	1.9	1.4	.0	.1	3.3
8-9	.0	.0	.8	.1	.1	.0	1.0
10-11	.0	*	.0	.1	.2	.0	.4
12	.0	.0	.0	*	.0	.0	*
13-16	.0	.0	.1	.1	.0	.0	.2
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.5	5.8	13.0	2.8	.3	.1	22.5

PERIOD: (OVER-ALL) 1963-1978

ANNUAL

AREA 0023 NORFOLK ISLAND
28.9S 167.9E

TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

S

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.1	.6	.0	.0	.0	.0	.7
1-2	.3	2.1	.7	.0	.0	.0	3.0
3-4	.0	1.8	2.5	.1	.0	.0	4.5
5-6	.0	.3	1.8	.3	.0	.0	2.4
7	.0	.0	1.1	.6	.0	.0	1.7
8-9	.0	.0	.5	.2	.0	.0	.7
10-11	.0	.0	.1	.1	.1	.0	.3
12	.0	.0	.0	.1	.0	.0	.1
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.4	4.8	6.7	1.4	.1	.0	13.5

SW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.1	.4	.1	.0	.0	.0	.6
1-2	*	1.7	.4	.0	.0	.0	2.2
3-4	.0	1.3	1.3	.4	.0	.0	3.0
5-6	.0	*	.8	.5	.0	.0	1.4
7	.0	.0	.4	.6	.1	.0	1.1
8-9	.0	.1	.5	.3	.2	.0	1.1
10-11	.0	.0	.1	.0	.0	.0	.1
12	.0	.0	.0	*	.0	.0	*
13-16	.0	*	.0	.3	.0	.0	.4
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.2	3.6	3.7	2.2	.3	.0	9.9

W

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.2	.3	.0	.0	.0	.0	.5
1-2	.2	2.0	.2	.0	.0	.0	2.4
3-4	.0	1.0	.9	.0	.0	.0	1.9
5-6	.0	.1	1.6	.3	.0	.0	2.1
7	.0	.1	.5	.2	.0	.0	.9
8-9	.0	.0	.3	.2	.3	.0	.8
10-11	.0	.1	.1	.4	.0	.0	.6
12	.0	.0	.0	.1	.0	.0	.1
13-16	.0	.1	.0	.1	.0	.0	.2
17-19	.0	.0	.0	.2	.0	.0	.2
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.4	3.7	3.6	1.7	.3	.0	9.6

NW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	.3	.2	.0	.0	.0	.0	.5	
1-2	.1	.7	.6	.0	.0	.0	1.5	
3-4	.0	.6	.9	.0	.0	.0	1.5	
5-6	.1	.3	.6	.1	.0	.0	1.1	
7	.0	.0	.2	*	.0	.0	.2	
8-9	.0	.0	.1	.1	*	.0	.3	
10-11	.0	.0	.0	.2	.0	.0	.2	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.1	.0	.0	.0	.1	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.5	1.9	2.6	.3	*	.0	5.5	99.0

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	3.0	4.1	.3	.0	.0	.0	7.4	
1-2	1.6	15.7	5.4	.0	.0	.0	22.8	
3-4	.2	10.3	16.8	.7	.0	.0	28.1	
5-6	.1	1.9	15.2	3.4	.0	.0	20.6	
7	.0	.5	6.3	3.8	.1	.1	10.8	
8-9	.0	.3	3.4	1.4	.6	.1	5.8	
10-11	.1	.2	.3	1.4	.4	.0	2.4	
12	.0	.0	.0	.5	.0	.0	.5	
13-16	.0	.3	.3	.6	.1	.0	1.3	
17-19	.0	.0	.0	.2	.0	.0	.2	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	5.0	33.5	48.0	12.1	1.2	.2	100.0	944

PERIOD: (OVER-ALL) 1952-1977

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	.5	4.4	8.4	6.2	4.6	2.0	.4	.3	.3	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	310	5
6-7	.0	.6	4.3	7.4	8.9	4.4	2.5	1.5	1.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	346	7
8-9	.1	.0	1.7	4.1	5.8	2.6	2.6	1.7	3.0	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	255	8
10-11	.0	.3	.8	1.6	2.2	2.0	1.9	.5	.7	.6	.2	.1	.0	.0	.0	.0	.0	.0	.0	124	8
12-13	.0	.0	.8	.5	.5	.7	.3	.2	.6	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	41	8
>13	.0	.0	.0	.4	.6	.3	.2	.0	.1	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	21	9
INDET	.8	.2	.6	.6	.5	.2	.4	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	42	5
TOTAL																				1139	7
PCT	1.4	5.4	16.6	20.8	23.2	12.3	8.2	4.3	5.8	1.5	.3	.1	.0	.0	.0	.0	.0	.0	.0	100.0	

PERIOD: (PRIMARY) 1926-1976
(OVER-ALL) 1857-1978

AREA 0023 NORFOLK ISLAND
28.9S 167.9E

TABLE 20

PERCENT FREQUENCY OF OCCURRENCE OF SEA TEMP (DEG F) BY MONTH

SEA TMP DEG F	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN	PCT
96+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
95/96	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
93/94	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
91/92	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
89/90	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
87/88	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
85/86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
83/84	.0	.0	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	.1
81/82	4.4	1.0	2.8	.9	1.0	.0	.0	.0	.0	.0	.0	.0	12	.8
79/80	2.9	7.9	3.7	.9	1.0	.0	.0	.0	.0	.0	.0	2.6	21	1.4
77/78	13.1	14.9	18.5	7.1	1.9	.0	.0	.0	.0	.0	2.7	.9	67	4.6
75/76	24.8	34.7	26.9	21.2	5.7	.9	.0	.0	.6	1.7	2.7	17.9	156	10.7
73/74	32.8	23.8	30.6	38.9	16.2	4.4	1.5	1.5	.0	3.3	10.6	29.9	223	15.3
71/72	16.1	12.9	10.2	22.1	31.4	18.4	5.1	.8	3.8	7.6	18.6	25.6	199	13.7
69/70	2.2	4.0	4.6	6.2	23.8	36.8	14.6	7.6	10.8	20.2	25.7	16.2	205	14.1
67/68	2.2	1.0	.9	1.8	14.3	28.1	42.3	29.5	23.4	46.2	27.4	6.8	282	19.4
65/66	1.4	.0	.9	.9	3.8	10.5	24.8	34.8	21.5	16.8	5.3	.0	160	11.0
63/64	.0	.0	.0	.0	1.0	.9	8.7	20.5	36.1	4.2	2.7	.0	106	7.3
61/62	.0	.0	.0	.0	.0	.0	2.9	5.4	3.8	.0	3.5	.0	21	1.4
59/60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9	.0	1	.1
57/58	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
55/56	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
53/54	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
51/52	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
49/50	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
47/48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
45/46	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
43/44	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
41/42	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
39/40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
37/38	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
35/36	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
33/34	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
31/32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
29/30	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
27/28	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
<27	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
TOTAL	137	101	108	113	105	114	137	132	158	149	113	117	1454	100.0
MEAN	74.3	74.8	74.8	73.4	71.0	69.1	67.0	65.9	65.7	68.2	69.4	72.4	70.5	

TABLE 21

PRESSURE (MB)

AVERAGE BY HOUR (GMT)

MO	0000	0300	0600	0900	1200	1500	1800	2100	MEAN	TOTAL OBS
JAN	1014	1017	1012	1011	1012	1008	1012	1013	1012	158
FEB	1014		1014	1016	1014	1012	1014	1015	1014	149
MAR	1016	1019	1014	1016	1014	1006	1014	1016	1015	161
APR	1017	1018	1015	1016	1016	1012	1016	1016	1016	152
MAY	1018		1016	1016	1016	1020	1019	1014	1016	130
JUN	1018	1001	1016	1017	1016	1006	1014	1015	1016	152
JUL	1019	1025	1017	1017	1017	1017	1017	1017	1017	176
AUG	1018		1016	1016	1018		1017	1017	1017	157
SEP	1018	1018	1016	1022	1019		1018	1024	1019	178
OCT	1019	1018	1017	1014	1020		1017	1018	1018	151
NOV	1016		1014	1016	1018	1020	1013	1017	1016	153
DEC	1013	1011	1013	1013	1013		1015	1015	1014	146
ANN	1017	1016	1015	1016	1016	1013	1016	1016	1016	1863
OBS	408	11	369	253	332	15	295	180		

PERCENTILES

MO	MIN	1%	5%	25%	50%	75%	95%	99%	MAX
JAN	1000	1000	1003	1009	1013	1016	1019	1024	1026
FEB	996	998	1006	1013	1015	1017	1021	1021	1022
MAR	998	1000	1006	1011	1015	1019	1022	1025	1026
APR	997	1002	1008	1014	1016	1019	1022	1026	1027
MAY	1000	1002	1006	1013	1017	1021	1025	1027	1029
JUN	999	1000	1002	1013	1017	1021	1026	1029	1032
JUL	1001	1001	1006	1012	1018	1022	1029	1031	1032
AUG	999	1000	1005	1013	1018	1021	1027	1031	1032
SEP	1006	1006	1009	1016	1019	1023	1028	1029	1030
OCT	1000	1002	1008	1014	1018	1021	1026	1027	1028
NOV	999	1001	1006	1012	1017	1020	1023	1024	1025
DEC	1001	1002	1008	1011	1014	1016	1021	1022	1023

JANUARY

PERIOD: (PRIMARY) 1930-1978
(OVER-ALL) 1869-1978

AREA 0024 CHATHAM ISLAND
43.9S 176.9W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA				
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
N	6.6	4.4	.0	.0	.0	.0	.0	11.0	.0	.0	11.0	.0	.0	.0	78.0
NE	.0	.0	8.0	.0	.0	.0	.0	8.0	.0	.0	4.0	.0	.0	.0	88.0
E	10.3	10.3	17.9	.0	.0	.0	.0	38.5	.0	.0	.0	.0	.0	.0	61.5
SE	.0	.0	10.0	.0	.0	.0	.0	10.0	.0	.0	.0	.0	.0	.0	90.0
S	.0	8.0	8.0	.0	.0	.0	.0	16.0	.0	.0	.0	.0	.0	.0	84.0
SW	.0	6.5	.0	.0	.0	.0	.0	6.5	6.5	.0	.0	.0	.0	.0	87.1
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
NW	4.9	.0	.0	.0	.0	.0	.0	4.3	8.5	.0	8.5	.0	.0	.0	78.7
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	.0	.0	.0	.0
TOT PCT	3.0	4.0	4.0	.0	.0	.0	.0	11.1	2.0	.0	5.1	.0	.0	.0	81.8
TOT OBS:	99														

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA				
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
00&03	3.4	.0	3.4	.0	.0	.0	.0	6.9	.0	.0	6.9	.0	.0	.0	86.2
06&09	.0	.0	4.5	.0	.0	.0	.0	4.5	4.5	.0	.0	.0	.0	.0	90.9
12&15	3.1	12.5	.0	.0	.0	.0	.0	15.6	.0	.0	9.4	.0	.0	.0	75.0
18&21	5.0	.0	10.0	.0	.0	.0	.0	15.0	10.0	.0	.0	.0	.0	.0	75.0
TOT PCT	2.9	3.9	3.9	.0	.0	.0	.0	10.7	2.9	.0	4.9	.0	.0	.0	81.6
TOT OBS:	103														

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	WIND SPEED (KNOTS)									HOUR (GMT)						
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	.0	12.0	12.0	3.7	.0	.0		27.6	13.7	31.3	.0	32.7	100.0	21.6	.0	19.3	100.0
NE	.8	5.5	9.1	.4	.0	.0		15.9	11.6	18.1	.0	16.3	.0	13.5	.0	17.0	.0
E	.8	.8	4.3	2.0	.0	.0		7.9	14.2	7.6	.0	2.9	.0	7.4	.0	15.9	.0
SE	.0	1.6	.2	.2	.0	.0		2.0	7.4	.7	.0	3.8	.0	.0	.0	5.7	.0
S	.0	3.0	6.5	1.2	.0	.0		10.8	14.2	17.4	.0	7.7	.0	9.5	.0	6.8	.0
SW	.8	2.0	6.5	2.8	.8	.0		13.0	17.4	13.9	.0	8.7	.0	14.9	.0	14.8	.0
W	.0	.6	7.3	1.4	.8	.0		10.2	18.2	2.1	.0	13.5	.0	16.2	.0	10.2	.0
NW	.0	2.8	6.9	1.2	.0	.0		11.0	14.8	9.0	.0	14.4	.0	11.5	.0	10.2	.0
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	1.6							1.6	.0	.0	.0	.0	.0	5.4	.0	.0	.0
TOT OBS	5	35	65	16	2	0	123		14.2	36	0	26	1	37	0	22	1
TOT PCT	4.1	28.5	52.8	13.0	1.6	.0		100.0		100.0	.0	100.0	100.0	100.0	.0	100.0	100.0

TABLE 3A

	WIND SPEED (KNOTS)								HOUR (GMT)			
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	06 09	12 15	18 21
N	2.8	15.4	7.9	1.4	.0		27.6	13.7	31.3	35.2	21.6	22.8
NE	1.8	12.0	2.0	.0	.0		15.9	11.6	18.1	15.7	13.5	16.3
E	1.6	3.5	2.8	.0	.0		7.9	14.2	7.6	2.8	7.4	15.2
SE	1.6	.2	.2	.0	.0		2.0	7.4	.7	3.7	.0	5.4
S	1.4	6.1	2.6	.6	.0		10.8	14.2	17.4	7.4	9.5	6.5
SW	1.8	3.0	7.1	1.0	.0		13.0	17.4	13.9	8.3	14.9	14.1
W	.0	3.9	5.5	.8	.0		10.2	18.2	2.1	13.0	16.2	9.8
NW	1.0	5.5	3.5	1.0	.0		11.0	14.8	9.0	13.9	11.5	9.8
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	1.6						1.6	.0	.0	.0	5.4	.0
TOT OBS	17	61	39	6	0	123		14.2	36	27	37	23
TOT PCT	13.8	49.6	31.7	4.9	.0		100.0		100.0	100.0	100.0	100.0

JANUARY

PERIOD: (PRIMARY) 1930-1978
(OVER-ALL) 1869-1978

AREA 0024 CHATHAM ISLAND
43.9S 176.9W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	1-3	4-10	WIND SPEED (KNOTS) 11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00&03	.0	.0	36.1	47.2	16.7	.0	.0	14.0	100.0	36
06&09	.0	3.7	29.6	59.3	3.7	3.7	.0	14.2	100.0	27
12&15	5.4	.0	24.3	54.1	16.2	.0	.0	13.6	100.0	37
18&21	.0	8.7	21.7	52.2	13.0	4.3	.0	15.2	100.0	23
TOT	2	3	35	65	16	2	0	14.2		123
PCT	1.6	2.4	28.5	52.8	13.0	1.6	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	2.6	2.6	10.7	4.4		5.5
NE	4.8	1.8	.4	4.8		4.3
E	2.6	1.1	.0	6.6		5.8
SE	.0	.0	1.5	.4		7.2
S	1.1	3.7	6.3	2.9		5.4
SW	2.6	1.1	5.9	8.8		6.2
W	1.8	7.0	1.1	1.5		3.8
NW	5.1	1.8	3.7	.0		3.7
VAR	.0	.0	.0	.0		.0
CALM	.0	.0	.0	1.5		8.0
TOT OBS	14	13	20	21	68	5.2
TOT PCT	20.6	19.1	29.4	30.9	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT,NH >4/8) AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

WND DIR	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	TOTAL OBS
N	.0	.0	.0	1.5	1.5	5.5	.0	4.0	.0	.0	7.7	
NE	.0	.0	.0	1.8	.0	.0	2.9	.0	.0	.0	7.0	
E	.0	.0	.0	.0	5.1	1.3	.0	.0	.0	.0	3.7	
SE	.0	.0	.0	.4	1.5	.0	.0	.0	.0	.0	.0	
S	.0	.0	.0	1.5	6.3	1.5	.0	.0	.0	.0	4.8	
SW	.0	.0	.0	2.9	5.5	1.5	2.9	.0	.0	.0	5.5	
W	.0	.0	.0	.0	1.5	.0	.0	.0	.0	.0	9.9	
NW	.0	.0	.0	.0	.0	1.8	.0	1.8	.0	.0	7.0	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	1.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT OBS	1	0	0	9	12	7	4	4	0	0	31	68
TOT PCT	1.5	.0	.0	13.2	17.6	10.3	5.9	5.9	.0	.0	45.6	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) ▪ OR >10	▪ OR >5	▪ OR >2	▪ OR >1	▪ OR >1/2	▪ OR >1/4	▪ OR >50YD	▪ OR >0
▪ OR >6500	.0	.0	.0	.0	.0	.0	.0	.0
▪ OR >5000	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6
▪ OR >3500	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3
▪ OR >2000	19.7	21.1	21.1	21.1	21.1	21.1	21.1	21.1
▪ OR >1000	33.8	36.6	39.4	39.4	39.4	39.4	39.4	39.4
▪ OR >600	40.8	49.3	52.1	52.1	52.1	52.1	52.1	52.1
▪ OR >300	40.8	49.3	52.1	52.1	52.1	52.1	52.1	52.1
▪ OR >150	40.8	49.3	52.1	52.1	52.1	52.1	52.1	52.1
▪ OR > 0	40.8	49.3	52.1	52.1	53.5	53.5	53.5	53.5
TOTAL	29	35	37	37	38	38	38	38

TOTAL NUMBER OF OBS: 71 PCT FREQ NH <5/8: 46.5

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8 OBSCD	TOTAL OBS
9.5	10.8	10.8	8.1	8.1	6.8	10.8	10.8	23.0	1.4	74

JANUARY

PERIOD: (PRIMARY) 1930-1978
(OVER-ALL) 1869-1978

AREA 0024 CHATHAM ISLAND
43.9S 176.9W

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
<1/2	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	NO PCP	2.5	.5	.0	.0	.0	.0	.0	1.0	.0	1.0	5.1	
	TOT %	2.5	.5	.0	.0	.0	.0	.0	1.0	.0	1.0	5.1	
	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	PCP	.0	.0	1.0	.0	.0	.0	.0	.0	.0	.0	1.0	
2<5	NO PCP	1.0	.0	.0	.0	.0	.0	1.0	1.0	.0	.0	3.0	
	TOT %	1.0	.0	1.0	.0	.0	.0	1.0	1.0	.0	.0	4.0	
	PCP	2.5	.0	2.8	.3	2.0	1.0	.0	.5	.0	.0	9.1	
5<10	NO PCP	4.0	4.0	1.0	.0	2.8	4.3	4.0	2.0	.0	.0	22.2	
	TOT %	6.6	4.0	3.8	.3	4.8	5.3	4.0	2.5	.0	.0	31.3	
	PCP	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	
10+	NO PCP	12.9	7.1	5.1	2.3	7.8	10.4	5.8	7.3	.0	.0	58.6	
	TOT %	12.9	8.1	5.1	2.3	7.8	10.4	5.8	7.3	.0	.0	59.6	
	TOT OBS												99
	TOT PCT	23.0	12.6	9.8	2.5	12.6	15.7	10.9	11.9	.0	1.0	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
<1/2	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	1.0	
1/2<1	4-10	.5	.5	.0	.0	.0	.0	.0	.0	.0		1.0	
	11-21	1.0	.0	.0	.0	.0	.0	.0	1.0	.0		2.0	
	22+	1.0	.0	.0	.0	.0	.0	.0	.0	.0		1.0	
	TOT %	2.5	.5	.0	.0	.0	.0	.0	1.0	.0	1.0	5.1	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	4-10	.0	.0	.0	.0	.0	.0	.0	1.0	.0		1.0	
	11-21	1.0	.0	1.0	.0	.0	.0	.0	.0	.0		2.0	
	22+	.0	.0	.0	.0	.0	.0	1.0	.0	.0		1.0	
	TOT %	1.0	.0	1.0	.0	.0	.0	1.0	1.0	.0	.0	4.0	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
5<10	4-10	3.5	1.5	1.0	.0	2.0	.0	.0	1.0	.0		9.1	
	11-21	3.0	2.5	1.0	.0	2.0	1.0	3.0	1.5	.0		14.1	
	22+	.0	.0	1.8	.3	.8	4.3	1.0	.0	.0		8.1	
	TOT %	6.6	4.0	3.8	.3	4.8	5.3	4.0	2.5	.0	.0	31.3	
	0-3	.0	.0	1.0	.0	.0	1.0	.0	.0	.0	.0	2.0	
10+	4-10	4.5	3.0	.0	2.0	1.0	2.3	.8	1.5	.0		15.2	
	11-21	5.6	4.8	3.3	.3	6.1	6.8	4.3	4.3	.0		35.4	
	22+	2.8	.3	.8	.0	.8	.3	.8	1.5	.0		7.1	
	TOT %	12.9	8.1	5.1	2.3	7.8	10.4	5.8	7.3	.0	.0	59.6	
	TOT OBS												99
	TOT PCT	23.0	12.6	9.8	2.5	12.6	15.7	10.9	11.9	.0	1.0	100.0	

JANUARY

PERIOD: (PRIMARY) 1930-1978
(OVER-ALL) 1869-1978

AREA 0024 CHATHAM ISLAND
43.95 176.9W

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET,NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00&03	.0	.0	.0	6.3	18.8	18.8	.0	.0	.0	.0	43.8	56.3	16
06&09	.0	.0	.0	9.5	23.8	4.8	4.8	4.8	.0	.0	47.6	52.4	21
12&15	5.6	.0	.0	11.1	16.7	5.6	11.1	16.7	.0	.0	66.7	33.3	18
18&21	.0	.0	.0	22.2	11.1	11.1	5.6	.0	.0	.0	50.0	50.0	18
TOT	1	0	0	9	13	7	4	4	0	0	38	35	73
PCT	1.4	.0	.0	12.3	17.8	9.6	5.5	5.5	.0	.0	52.1	47.9	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00&03	.0	6.9	.0	3.4	41.4	48.3	29
06&09	.0	.0	.0	4.5	18.2	77.3	22
12&15	.0	9.4	.0	.0	40.6	50.0	32
18&21	.0	.0	.0	10.0	10.0	80.0	20
TOT	0	5	0	4	31	63	103
PCT	.0	4.9	.0	3.9	30.1	61.2	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET,NH >4/8), BY HOUR

HOUR (GMT)	<150 <300YD	<600 <1	<1000 <3	1000+ AND5+	NH <5/8 AND 5+	TOTAL OBS
00&03	.0	.0	13.3	33.3	53.3	15
06&09	.0	.0	14.3	33.3	52.4	21
12&15	5.6	5.6	16.7	50.0	33.3	18
18&21	.0	.0	29.4	29.4	41.2	17
TOT	1	1	13	26	32	71
PCT	1.4	1.4	18.3	36.6	45.1	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
65/69	.0	.0	.0	.0	.0	1.3	5.2	2.6	7	9.1
60/64	.0	.0	.0	.0	2.6	5.2	10.4	27.3	35	45.5
55/59	.0	.0	.0	.0	5.2	11.7	10.4	10.4	29	37.7
50/54	.0	.0	.0	.0	.0	1.3	2.6	3.9	6	7.8
TOTAL	0	0	0	0	6	15	22	34	77	100.0
PCT	.0	.0	.0	.0	7.8	19.5	28.6	44.2		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
3.2	1.6	1.0	.0	1.0	.3	.0	1.9	.0	.0
18.5	9.7	4.5	1.9	.0	1.0	2.9	5.5	.0	1.3
8.8	3.6	3.2	1.3	7.5	8.4	3.2	1.6	.0	.0
2.6	.0	1.3	.0	1.3	2.6	.0	.0	.0	.0
33.1	14.9	10.1	3.2	9.7	12.3	6.2	9.1	.0	1.3

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00&03	69	68	68	58	54	50	50	59.4	47
06&09	66	65	65	59	52	52	52	59.4	27
12&15	67	66	65	58	53	53	53	58.2	38
18&21	67	66	66	60	57	55	55	60.7	22
TOT	69	68	66	59	53	52	50	59.3	134

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00&03	.0	.0	10.5	26.3	26.3	36.8	83	19
06&09	.0	.0	10.0	5.0	45.0	40.0	86	20
12&15	.0	.0	4.5	22.7	18.2	54.5	89	22
18&21	.0	.0	10.5	26.3	26.3	36.8	84	19
TOT	0	0	7	16	23	34	86	80

JANUARY

PERIOD: (PRIMARY) 1930-1978
(OVER-ALL) 1869-1978

AREA 0024 CHATHAM ISLAND
43.9S 176.9W

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	49 52	53 56	57 60	61 64	65 68	69 72	TOT	W FOG	WO FOG
14/16	.0	.0	.0	.0	1.1	2.1	3	.0	3.2
9/10	.0	.0	.0	.0	1.1	.0	1	.0	1.1
7/8	.0	.0	.0	1.1	.0	.0	1	.0	1.1
6	.0	.0	.0	.0	1.1	.0	1	.0	1.1
5	.0	.0	.0	2.1	.0	1.1	3	.0	3.2
4	.0	.0	.0	3.2	1.1	.0	4	1.1	3.2
3	.0	.0	1.1	1.1	3.2	.0	5	1.1	4.3
2	.0	.0	1.1	2.1	1.1	.0	4	.0	4.3
1	1.1	2.1	9.6	4.3	.0	.0	16	2.1	14.9
0	.0	3.2	10.6	3.2	1.1	.0	17	.0	18.1
-1	.0	4.3	5.3	1.1	.0	.0	10	.0	10.6
-2	.0	3.2	6.4	.0	.0	.0	9	.0	9.6
-3	.0	3.2	2.1	1.1	1.1	.0	7	.0	7.4
-4	1.1	4.3	2.1	.0	.0	.0	7	1.1	6.4
-5	1.1	.0	2.1	.0	.0	.0	3	.0	3.2
-6	.0	1.1	.0	1.1	.0	.0	2	.0	2.1
-7/-8	.0	.0	.0	1.1	.0	.0	1	.0	1.1
TOTAL	3	20	38	20	10	3	94	5	89
PCT	3.2	21.3	40.4	21.3	9.6	3.2	100.0	5.3	94.7

PERIOD: (OVER-ALL) 1963-1978

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	1.5	.0	.0	.0	.0	1.5
3-4	.0	1.5	7.8	.0	.0	.0	9.3
5-6	.0	.0	.0	2.0	.0	.0	2.0
7	.0	.0	3.4	3.4	.0	.0	6.9
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	2.9	11.3	5.4	.0	.0	19.6

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	3.9	6.4	.0	.0	.0	10.3
5-6	.0	.0	2.5	.5	.0	.0	2.9
7	.0	.0	.5	.0	.0	.0	.5
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	3.9	9.3	.5	.0	.0	13.7

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	2.0	.0	.0	.0	.0	.0	2.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	3.4	.0	.0	.0	3.4
5-6	.0	.0	3.4	1.5	.0	.0	4.9
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	3.4	.0	.0	3.4
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	2.0	.0	6.9	4.9	.0	.0	13.7

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	2.0	.0	.0	.0	.0	2.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.5	.0	.0	.5
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	2.0	.0	.5	.0	.0	2.5

PERIOD: (OVER-ALL) 1963-1978

JANUARY

AREA 0024 CHATHAM ISLAND
43.9S 176.9W

TABLE 1a (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

	S							SW						
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0	.0	2.0	.0	.0	.0	.0	2.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	2.0	.0	.0	.0	.0	2.0
3-4	.0	.0	5.4	.0	.0	.0	5.4	.0	.0	.5	.0	.0	.0	.5
5-6	.0	.0	4.4	.0	.0	.0	4.4	.0	.0	3.9	.0	.0	.0	3.9
7	.0	.0	2.0	.0	.0	.0	2.0	.0	.0	2.0	.0	.0	.0	2.0
8-9	.0	.0	.0	1.5	.0	.0	1.5	.0	.0	.0	.5	.0	.0	.5
10-11	.0	2.0	.0	.0	.0	.0	2.0	.0	.5	.0	.0	.0	.0	.5
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.0	.0	2.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	2.0	11.8	1.5	.0	.0	15.2	.0	4.4	6.4	.5	2.0	.0	13.2

	W							NW							TOTAL
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	PCT
<1	.0	.0	2.0	.0	.0	.0	2.0	.0	.0	.0	.0	.0	.0	.0	
1-2	.0	.0	2.0	.0	.0	.0	2.0	.0	.5	2.0	.0	.0	.0	2.5	
3-4	.0	.0	2.0	.0	.0	.0	2.0	.0	2.5	.0	2.0	.0	.0	4.4	
5-6	.0	.0	1.5	.0	.0	.0	1.5	.0	.0	.0	.0	.0	.0	.0	
7	.0	.0	.0	1.5	.0	.0	1.5	.0	.0	.0	1.0	.0	.0	1.0	
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	1.5	.0	.0	.0	.0	1.5	.0	.0	3.9	.0	.0	.0	3.9	
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.0	1.5	7.4	1.5	.0	.0	10.3	.0	2.9	5.9	2.9	.0	.0	11.8	100.0

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	2.0	2.0	2.0	.0	.0	.0	5.9	
1-2	.0	5.9	3.9	.0	.0	.0	9.8	
3-4	.0	7.8	25.5	2.0	.0	.0	35.3	
5-6	.0	.0	15.7	3.9	.0	.0	19.6	
7	.0	.0	7.8	5.9	.0	.0	13.7	
8-9	.0	.0	.0	5.9	.0	.0	5.9	
10-11	.0	3.9	3.9	.0	.0	.0	7.8	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	2.0	.0	2.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	2.0	19.6	58.8	17.6	2.0	.0	100.0	51

PERIOD: (OVER-ALL) 1956-1978

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	.0	5.9	4.4	4.4	1.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	11	4
6-7	.0	1.5	4.4	10.3	7.4	7.4	7.4	.0	2.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	28	7
8-9	.0	1.5	.0	.0	1.5	1.5	11.8	1.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	12	9
10-11	.0	1.5	.0	2.9	.0	.0	.0	.0	.0	1.5	.0	1.5	.0	.0	.0	.0	.0	.0	.0	5	10
12-13	.0	.0	.0	.0	4.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	9	7
>13	.0	.0	.0	.0	.0	1.5	1.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2	9
INDET	1.5	.0	1.5	.0	5.9	.0	1.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7	6
TOTAL	1	7	7	12	14	7	15	1	2	1	0	1	0	0	0	0	0	0	0	68	7
PCT	1.5	10.3	10.3	17.6	20.6	10.3	22.1	1.5	2.9	1.5	.0	1.5	.0	.0	.0	.0	.0	.0	.0	100.0	

FEBRUARY

PERIOD: (PRIMARY) 1948-1978
(OVER-ALL) 1869-1978

AREA 0024 CHATHAM ISLAND
43.9S 177.1W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA				
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
N	6.3	3.1	.0	.0	.0	.0	.0	9.4	.0	.0	6.3	.0	.0	.0	84.4
NE	.0	4.5	.0	.0	.0	.0	.0	4.5	9.1	.0	11.4	.0	.0	.0	75.0
E	.0	.0	16.0	.0	.0	.0	.0	16.0	16.0	.0	12.0	.0	.0	.0	56.0
SE	8.3	.0	.0	.0	.0	.0	.0	8.3	.0	.0	.0	.0	.0	.0	91.7
S	.0	.0	.0	.0	.0	.0	.0	.0	5.2	.0	.0	.0	.0	.0	94.8
SW	2.1	12.4	4.1	.0	.0	.0	.0	18.6	8.2	2.1	1.0	.0	.0	.0	72.2
W	7.1	.0	.0	.0	.0	.0	.0	7.1	.0	7.1	10.7	.0	.0	.0	82.1
NW	.0	.0	.0	.0	.0	.0	.0	.0	16.0	.0	.0	.0	16.0	.0	68.0
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	2.9	3.9	2.0	.0	.0	.0	.0	8.8	5.9	1.0	3.9	.0	1.0	.0	80.4
TOT OBS:	102														

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA				
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
00603	.0	.0	.0	.0	.0	.0	.0	.0	6.5	.0	6.5	.0	.0	.0	87.1
06609	10.0	5.0	.0	.0	.0	.0	.0	15.0	.0	.0	10.0	.0	.0	.0	75.0
12615	3.1	6.3	3.1	.0	.0	.0	.0	12.5	6.3	3.1	.0	.0	.0	.0	81.3
18621	.0	5.0	5.0	.0	.0	.0	.0	10.0	10.0	.0	.0	.0	5.0	.0	75.0
TOT PCT	2.9	3.9	1.9	.0	.0	.0	.0	8.7	5.8	1.0	3.9	.0	1.0	.0	80.6
TOT OBS:	103														

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	WIND SPEED (KNOTS)									HOUR (GMT)						
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	.0	5.3	10.3	2.4	.0	.0		17.9	14.9	14.0	.0	28.6	.0	17.1	.0	16.3	.0
NE	.0	4.9	5.1	.2	.0	.0		10.3	11.9	21.3	.0	9.5	.0	3.9	.0	5.4	.0
E	.0	1.3	4.1	.0	.0	.0		5.3	14.4	2.9	100.0	3.6	.0	6.6	.0	4.3	.0
SE	.0	2.8	6.4	1.3	.0	.0		10.5	13.4	9.6	.0	10.7	.0	12.5	.0	8.7	.0
S	.4	7.5	8.8	3.0	.0	.0		19.7	13.4	10.3	.0	17.9	.0	23.0	.0	30.4	.0
SW	1.3	3.2	6.0	6.4	1.7	3.0		21.6	24.1	21.3	.0	21.4	.0	19.1	.0	27.2	.0
W	.9	.6	5.3	.4	.0	.4		7.7	16.1	11.8	.0	7.1	.0	7.2	.0	3.3	.0
NW	.0	3.4	1.9	.9	.0	.9		7.1	17.1	8.8	.0	1.2	.0	10.5	.0	4.3	.0
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0							.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT OBS	3	34	56	17	2	5	117		16.4	34	1	21	0	38	0	23	0
TOT PCT	2.6	29.1	47.9	14.5	1.7	4.3		100.0		100.0	100.0	100.0	.0	100.0	.0	100.0	.0

TABLE 3A

	WIND SPEED (KNOTS)								HOUR (GMT)			
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	06 09	12 15	18 21
N	1.5	9.2	6.4	.9	.0		17.9	14.9	13.6	28.6	17.1	16.3
NE	1.9	6.0	2.4	.0	.0		10.3	11.9	20.7	9.5	3.9	5.4
E	1.3	1.7	2.4	.0	.0		5.3	14.4	5.7	3.6	6.6	4.3
SE	1.3	7.1	1.7	.4	.0		10.5	13.4	9.3	10.7	12.5	8.7
S	1.9	13.0	3.4	1.3	.0		19.7	13.4	10.0	17.9	23.0	30.4
SW	2.6	3.8	9.2	2.1	3.8		21.6	24.1	20.7	21.4	19.1	27.2
W	1.5	2.6	2.8	.4	.4		7.7	16.1	11.4	7.1	7.2	3.3
NW	.9	4.5	.0	.9	.9		7.1	17.1	8.6	1.2	10.5	4.3
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	.0						.0	.0	.0	.0	.0	.0
TOT OBS	15	56	33	7	6	117		16.4	35	21	38	23
TOT PCT	12.8	47.9	28.2	6.0	5.1		100.0		100.0	100.0	100.0	100.0

FEBRUARY

PERIOD: (PRIMARY) 1948-1978
(OVER-ALL) 1869-1978

AREA 0024 CHATHAM ISLAND
43.9S 177.1W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS) 1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00&03	.0	2.9	25.7	51.4	14.3	2.9	2.9	16.6	100.0	35
06&09	.0	.0	23.8	47.6	23.8	.0	4.8	17.4	100.0	21
12&15	.0	5.3	28.9	47.4	10.5	2.6	5.3	15.6	100.0	38
18&21	.0	.0	39.1	43.5	13.0	.0	4.3	16.3	100.0	23
TOT	0	3	34	56	17	2	5	16.4		117
PCT	.0	2.6	29.1	47.9	14.5	1.7	4.3		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	3.9	.0	6.7	7.0		5.8
NE	.4	1.4	1.4	6.0		6.7
E	1.1	.0	.0	3.9		6.7
SE	.4	.4	2.1	8.1		7.4
S	.0	3.5	7.0	11.6		6.8
SW	1.4	2.1	16.2	2.1		5.9
W	.0	2.5	.0	3.5		6.3
NW	1.4	1.4	3.2	1.4		5.0
VAR	.0	.0	.0	.0		.0
CALM	.0	.0	.0	.0		.0
TOT OBS	6	8	26	31	71	6.3
TOT PCT	8.5	11.3	36.6	43.7	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT,NH >4/8) AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

WND DIR	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	TOTAL OBS
N	.0	.0	1.4	.0	4.6	2.8	.0	.0	2.5	.0	6.3	
NE	.4	.0	.0	.0	1.1	4.2	1.4	.0	.4	.0	1.8	
E	1.1	.0	.0	.0	2.8	.0	.0	.0	.0	.0	1.1	
SE	.0	.0	.0	.0	1.8	7.7	.7	.0	.0	.0	.7	
S	.0	.0	.0	.0	6.7	7.0	2.1	.0	1.4	.0	4.9	
SW	.0	.0	.4	1.4	7.0	4.9	.4	.0	.0	.0	7.7	
W	.0	.0	1.1	1.4	.0	.0	1.1	.0	.0	.0	2.5	
NW	.0	.0	.0	1.4	.0	.0	1.4	1.4	.0	.0	3.2	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT OBS	1	0	2	3	17	19	5	1	3	0	20	71
TOT PCT	1.4	.0	2.8	4.2	23.9	26.8	7.0	1.4	4.2	.0	28.2	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) * OR >10	* OR >5	* OR >2	* OR >1	* OR >1/2	* OR >1/4	* OR >50YD	* OR >0
* OR >6500	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2
* OR >5000	4.2	5.6	5.6	5.6	5.6	5.6	5.6	5.6
* OR >3500	9.7	11.1	12.5	12.5	12.5	12.5	12.5	12.5
* OR >2000	33.3	36.1	38.9	38.9	38.9	38.9	38.9	38.9
* OR >1000	50.0	56.9	62.5	62.5	62.5	62.5	62.5	62.5
* OR >600	52.8	61.1	66.7	66.7	66.7	66.7	66.7	66.7
* OR >300	52.8	61.1	68.1	68.1	69.4	69.4	69.4	69.4
* OR >150	52.8	61.1	68.1	68.1	69.4	69.4	69.4	69.4
* OR > 0	52.8	61.1	68.1	69.4	70.8	70.8	70.8	70.8
TOTAL	38	44	49	50	51	51	51	51

TOTAL NUMBER OF OBS: 72

PCT FREQ NH <5/8: 29.2

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8 OBSCD	TOTAL OBS
8.3	5.6	1.4	9.7	4.2	5.6	8.3	15.3	40.3	1.4	72

PERIOD: (PRIMARY) 1948-1978
(OVER-ALL) 1869-1978

AREA 0024 CHATHAM ISLAND
43.9S 177.1W

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	1.0	1.0	.0	.0	.2	.7	.0	.0	.0	2.9	
	TOT %	.0	1.0	1.0	.0	.0	.2	.7	.0	.0	.0	2.9	
1<2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.2	.7	.0	.0	1.0	.0	.0	.0	.0	2.0	
	TOT %	.0	.2	.7	.0	.0	1.0	.0	.0	.0	.0	2.0	
2<5	PCP	1.0	.0	.0	.0	.0	1.0	.0	.0	.0	.0	2.0	
	NO PCP	.0	.0	1.0	.2	.7	1.0	.0	1.0	.0	.0	3.9	
	TOT %	1.0	.0	1.0	.2	.7	2.0	.0	1.0	.0	.0	5.9	
5<10	PCP	.5	.5	.0	.0	.0	3.4	.5	.0	.0	.0	4.9	
	NO PCP	2.9	2.9	1.0	2.0	.7	8.6	2.5	1.0	.0	.0	21.6	
	TOT %	3.4	3.4	1.0	2.0	.7	12.0	2.9	1.0	.0	.0	26.5	
10+	PCP	.0	.0	1.0	1.0	.0	.0	.0	.0	.0	.0	2.0	
	NO PCP	11.3	6.1	1.5	8.5	17.4	8.6	3.2	4.2	.0	.0	60.8	
	TOT %	11.3	6.1	2.5	9.6	17.4	8.6	3.2	4.2	.0	.0	62.7	
	TOT OBS												102
	TOT PCT	15.7	10.8	6.1	11.8	18.9	23.8	6.9	6.1	.0	.0	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	1.0	.0	.0	.0	.2	.7	.0	.0		2.0	
	11-21	.0	.0	1.0	.0	.0	.0	.0	.0	.0		1.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	1.0	1.0	.0	.0	.2	.7	.0	.0	.0	2.9	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.2	.7	.0	.0	1.0	.0	.0	.0		2.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.2	.7	.0	.0	1.0	.0	.0	.0	.0	2.0	
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	1.0	.0		1.0	
	11-21	.0	.0	1.0	.0	.0	.0	.0	.0	.0		1.0	
	22+	1.0	.0	.0	.2	.7	2.0	.0	.0	.0		3.9	
	TOT %	1.0	.0	1.0	.2	.7	2.0	.0	1.0	.0	.0	5.9	
5<10	0-3	.0	.0	.0	.0	.0	1.0	1.0	.0	.0	.0	2.0	
	4-10	2.5	1.5	.0	.0	.7	.2	.0	.0	.0		4.9	
	11-21	1.0	2.0	1.0	2.0	.0	2.9	1.0	.0	.0		9.8	
	22+	.0	.0	.0	.0	.0	7.8	1.0	1.0	.0		9.8	
	TOT %	3.4	3.4	1.0	2.0	.7	12.0	2.9	1.0	.0	.0	26.5	
10+	0-3	.0	.0	.0	.0	.5	.5	.0	.0	.0	.0	1.0	
	4-10	2.7	3.2	1.5	2.9	5.1	3.2	.0	2.0	.0		20.6	
	11-21	7.8	2.7	1.0	5.4	9.1	2.9	3.2	1.2	.0		33.3	
	22+	.7	.2	.0	1.2	2.7	2.0	.0	1.0	.0		7.8	
	TOT %	11.3	6.1	2.5	9.6	17.4	8.6	3.2	4.2	.0	.0	62.7	
	TOT OBS												102
	TOT PCT	15.7	10.8	6.1	11.8	18.9	23.8	6.9	6.1	.0	.0	100.0	

FEBRUARY

PERIOD: (PRIMARY) 1948-1978
(OVER-ALL) 1869-1978

AREA 0024 CHATHAM ISLAND
43.9S 177.1W

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET,NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00&03	.0	.0	.0	9.5	33.3	28.6	4.8	.0	4.8	.0	81.0	19.0	21
06&09	5.0	.0	10.0	.0	25.0	30.0	5.0	.0	.0	.0	75.0	25.0	20
12&15	.0	.0	.0	.0	9.1	18.2	9.1	9.1	.0	.0	45.5	54.5	11
18&21	.0	.0	.0	5.0	20.0	25.0	10.0	.0	10.0	.0	70.0	30.0	20
TOT	1	0	2	3	17	19	5	1	3	0	51	21	72
PCT	1.4	.0	2.8	4.2	23.6	26.4	6.9	1.4	4.2	.0	70.8	29.2	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00&03	.0	6.5	.0	9.7	32.3	51.6	31
06&09	.0	5.0	5.0	5.0	10.0	75.0	20
12&15	.0	.0	3.1	.0	37.5	59.4	32
18&21	.0	.0	.0	10.0	15.0	75.0	20
TOT	0	3	2	6	27	65	103
PCT	.0	2.9	1.9	5.8	26.2	63.1	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET,NH >4/8),BY HOUR

HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL OBS
00&03	.0	.0	23.8	61.9	14.3	21
06&09	5.0	15.0	15.0	60.0	25.0	20
12&15	.0	.0	.0	45.5	54.5	11
18&21	.0	.0	15.0	55.0	30.0	20
TOT	1	3	11	41	20	72
PCT	1.4	4.2	15.3	56.9	27.8	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
70/74	.0	.0	.0	.0	.0	1.5	.0	.0	1	1.5
65/69	.0	.0	.0	.0	3.0	.0	.0	3.0	4	6.1
60/64	.0	.0	.0	.0	1.5	1.5	7.6	18.2	19	28.8
55/59	.0	.0	.0	1.5	4.5	12.1	15.2	15.2	32	48.5
50/54	.0	.0	.0	.0	9.1	1.5	3.0	1.5	10	15.2
TOTAL	0	0	0	1	12	11	17	25	66	100.0
PCT	.0	.0	.0	1.5	18.2	16.7	25.8	37.9		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
.8	.8	.0	.0	.0	.0	.0	.0	.0	.0
4.5	1.5	.0	.0	.0	.0	.0	.0	.0	.0
10.2	1.9	1.1	.0	.0	3.4	2.7	9.5	.0	.0
1.5	3.0	5.7	3.8	12.5	18.2	3.8	.0	.0	.0
.0	.0	.0	1.5	7.6	6.1	.0	.0	.0	.0
17.0	7.2	6.8	5.3	20.1	27.7	6.4	9.5	.0	.0

TABLE 15

MEANS,EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00&03	70	69	67	59	53	53	53	60.3	38
06&09	65	64	64	61	53	53	53	59.6	20
12&15	65	64	63	57	52	50	50	57.4	35
18&21	67	66	63	57	54	53	53	57.8	21
TOT	70	67	66	59	53	50	50	58.8	114

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00&03	.0	5.6	11.1	22.2	16.7	44.4	82	18
06&09	.0	.0	20.0	20.0	20.0	40.0	84	15
12&15	.0	.0	10.5	15.8	36.8	36.8	87	19
18&21	.0	.0	33.3	6.7	33.3	26.7	80	15
TOT	0	1	12	11	18	25	83	67

FEBRUARY

PERIOD: (PRIMARY) 1948-1978
(OVER-ALL) 1849-1978

AREA 0024 CHATHAM ISLAND
43.9S 177.1W

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	49 52	53 56	57 60	61 64	65 68	69 72	TOT	W FOG	WO FOG
9/10	.0	.0	2.4	.0	.0	1.2	3	.0	3.5
4	.0	.0	1.2	1.2	1.2	.0	3	.0	3.5
3	.0	.0	.0	2.4	1.2	.0	3	1.2	2.4
2	.0	.0	1.2	1.2	2.4	.0	4	1.2	3.5
1	.0	.0	3.5	5.9	1.2	.0	9	.0	10.6
0	.0	1.2	3.5	7.1	.0	.0	10	2.4	9.4
-1	.0	7.1	11.8	5.9	.0	.0	21	.0	24.7
-2	.0	2.4	7.1	.0	.0	.0	8	.0	9.4
-3	.0	5.9	7.1	.0	.0	.0	11	.0	12.9
-4	.0	2.4	3.5	.0	.0	.0	5	.0	5.9
-5	1.2	2.4	1.2	.0	.0	.0	4	.0	4.7
-6	1.2	2.4	.0	.0	.0	.0	3	.0	3.5
-7/-8	.0	1.2	.0	.0	.0	.0	1	.0	1.2
TOTAL	2	21	36	20	5	1	85	4	81
PCT	2.4	24.7	42.4	23.5	5.9	1.2	100.0	4.7	95.3

PERIOD: (OVER-ALL) 1963-1978

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	4.3	.0	.0	.0	.0	4.3
3-4	.0	.0	1.6	.0	.0	.0	1.6
5-6	.0	.0	10.9	.0	.0	.0	10.9
7	.0	.0	.0	1.2	.0	.0	1.2
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	1.6	.0	.0	1.6
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	4.3	12.5	2.7	.0	.0	19.5

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	5.1	.0	.0	.0	.0	5.1
3-4	.0	.0	1.6	.0	.0	.0	1.6
5-6	.0	.0	2.7	.0	.0	.0	2.7
7	.0	.0	.0	.4	.0	.0	.4
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	5.1	4.3	.4	.0	.0	9.8

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	2.3	.0	.0	.0	.0	2.3
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	3.1	.0	.0	.0	3.1
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	2.3	3.1	.0	.0	.0	5.5

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	2.3	.0	.0	.0	.0	2.3
3-4	.0	1.6	4.7	.0	.0	.0	6.3
5-6	.0	.0	1.6	.0	.0	.0	1.6
7	.0	.0	2.0	.0	.0	.0	2.0
8-9	.0	.0	.0	1.6	.0	.0	1.6
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.4	.0	.0	.4
13-16	.0	.0	.0	.4	.0	.0	.4
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	3.9	8.2	2.3	.0	.0	14.5

PERIOD: (OVER-ALL) 1963-1978

FEBRUARY

TABLE 18 (CONT)

AREA 0024 CHATHAM ISLAND 43.9S 177.1W

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

S

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	4.3	1.2	.0	.0	.0	5.5
3-4	.0	.0	3.1	.0	.0	.0	3.1
5-6	.0	.0	1.6	1.6	.0	.0	3.1
7	.0	.0	1.2	.0	.0	.0	1.2
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	1.2	.0	.0	1.2
13-16	.0	.0	1.6	1.2	.0	.0	2.7
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	4.3	8.6	3.9	.0	.0	16.8

SW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	2.3	.4	.0	.0	.0	2.7
3-4	.0	1.6	.0	.0	.0	.0	1.6
5-6	.0	.0	2.0	.0	.0	.0	2.0
7	.0	.0	1.6	.0	.0	.0	1.6
8-9	.0	.0	3.1	.0	.0	.0	3.1
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	3.1	.0	.0	3.1
13-16	.0	.0	.0	1.6	.0	.0	1.6
17-19	.0	.0	.0	1.6	.0	.0	1.6
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	1.6	3.1	4.7
33-40	.0	.0	.0	.0	.0	1.6	1.6
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	3.9	7.0	6.3	1.6	4.7	23.4

W

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	1.2	.0	.0	.0	.0	1.2
3-4	.0	.0	1.6	.0	.0	.0	1.6
5-6	.0	.0	1.2	.0	.0	.0	1.2
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	1.2	2.7	.0	.0	.0	3.9

NW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	.0	.0	.0	.0	.0	.0	.0	
1-2	.0	3.1	.0	.0	.0	.0	3.1	
3-4	.0	.0	.0	.0	.0	.0	.0	
5-6	.0	.0	2.0	.0	.0	.0	2.0	
7	.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	1.6	1.6	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.0	3.1	2.0	.0	.0	1.6	6.6	100.0

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	1.5	.0	.0	.0	.0	.0	1.5	
1-2	.0	24.6	1.5	.0	.0	.0	26.2	
3-4	.0	3.1	12.3	.0	.0	.0	15.4	
5-6	.0	.0	21.5	1.5	.0	.0	23.1	
7	.0	.0	4.6	1.5	.0	.0	6.2	
8-9	.0	.0	6.2	1.5	.0	.0	7.7	
10-11	.0	.0	.0	.0	.0	1.5	1.5	
12	.0	.0	.0	6.2	.0	.0	6.2	
13-16	.0	.0	1.5	3.1	.0	.0	4.6	
17-19	.0	.0	.0	1.5	.0	.0	1.5	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	1.5	3.1	4.6	
33-40	.0	.0	.0	.0	.0	1.5	1.5	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	1.5	27.7	47.7	15.4	1.5	6.2	100.0	65

PERIOD: (OVER-ALL) 1955-1978

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	.0	1.4	6.8	8.2	2.7	.0	2.7	.0	1.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	17	6
6-7	.0	.0	5.5	2.7	4.1	2.7	2.7	1.4	1.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	15	7
8-9	.0	.0	.0	1.4	5.5	4.1	4.1	2.7	1.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	14	9
10-11	.0	.0	1.4	.0	.0	1.4	2.7	1.4	.0	.0	.0	1.4	2.7	.0	.0	.0	.0	.0	.0	8	15
12-13	.0	.0	.0	2.7	.0	4.1	1.4	1.4	4.1	.0	1.4	.0	1.4	1.4	.0	.0	.0	.0	.0	13	14
>13	.0	.0	.0	.0	2.7	.0	.0	.0	.0	.0	1.4	.0	.0	.0	.0	.0	.0	.0	.0	3	12
INDET	1.4	.0	.0	.0	1.4	1.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3	5
TOTAL	1	1	10	11	10	12	10	5	6	0	2	1	3	1	0	0	0	0	0	73	9
PCT	1.4	1.4	13.7	15.1	13.7	16.4	13.7	6.8	8.2	.0	2.7	1.4	4.1	1.4	.0	.0	.0	.0	.0	100.0	

MARCH

PERIOD: (PRIMARY) 1950-1977
(OVER-ALL) 1869-1977

AREA 0024 CHATHAM ISLAND
43.8S 177.1W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA				
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG, NO PCPN	FOG NO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
N	.0	.0	4.8	.0	.0	.0	.0	4.8	9.0	.0	2.4	.0	.0		.0	83.7
NE	1.1	.0	1.1	.0	.0	.0	.0	1.1	1.1	.0	.0	.0	4.4		.0	93.3
E	23.7	0.8	11.9	.0	.0	.0	.0	37.3	.0	.0	6.8	.0	.0		.0	55.9
SE	2.9	11.8	.0	.0	.0	.0	.0	14.7	.0	.0	.0	.0	.0		.0	85.3
S	.0	9.3	9.3	.0	.0	.0	.0	18.6	.0	.0	.0	.0	.0		.0	81.4
SW	7.7	.0	3.4	.0	.0	.0	.0	11.1	6.8	.0	3.4	.0	4.3		.0	74.4
W	8.6	.0	.0	.0	.0	.0	.0	8.6	.0	.0	.0	5.7	4.3		.0	81.4
NW	5.1	.0	.0	.0	.0	.0	.0	5.1	.0	.0	8.2	.0	8.2		.0	78.6
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	100.0
TOT PCT	5.0	2.2	3.9	.0	.0	.0	.0	10.5	3.3	.0	2.8	.6	2.8		.0	80.1
TOT OBS:	181															

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA				
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG NO PCPN	FOG NO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
00&03	4.0	2.0	4.0	.0	.0	.0	.0	8.0	.0	.0	4.0	.0	2.0		.0	86.0
06&09	4.4	.0	2.2	.0	.0	.0	.0	6.7	6.7	.0	.0	2.2	4.4		.0	80.0
12&15	1.9	1.9	7.4	.0	.0	.0	.0	11.1	3.7	.0	3.7	.0	1.9		.0	79.6
18&21	10.0	5.0	.0	.0	.0	.0	.0	15.0	2.5	.0	2.5	.0	2.5		.0	77.5
TOT PCT	4.8	2.1	3.7	.0	.0	.0	.0	10.1	3.2	.0	2.6	.5	2.6		.0	81.0
TOT OBS:	189															

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	WIND SPEED (KNOTS)									HOUR (GMT)							
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	1.0	8.4	14.2	1.5	.0	.0		25.0	12.7	31.7	40.0	23.4	29.2	25.0	20.0	14.9	33.3
NE	.8	4.9	4.9	1.5	.5	.0		12.7	15.0	12.5	10.0	11.4	8.3	12.7	20.0	13.7	16.7
E	.4	3.4	3.2	.0	1.2	.0		7.2	17.3	4.5	30.0	9.8	8.3	9.3	.0	3.6	.0
SE	.2	2.3	2.5	.0	.0	.0		4.9	10.7	4.5	.0	6.5	.0	6.7	.0	3.6	.0
S	.6	3.6	3.1	2.6	1.7	.0		11.7	18.2	12.9	.0	3.8	.0	12.7	.0	21.4	12.5
SW	.1	3.2	5.4	5.0	1.7	.0		15.5	19.9	17.0	.0	19.0	33.3	9.3	30.0	13.7	37.5
W	.3	.8	5.8	2.8	.0	.0		9.7	18.5	9.4	20.0	8.7	16.7	4.5	30.0	16.1	.0
NW	.4	2.4	7.3	2.5	.4	.0		13.0	15.6	7.6	.0	15.2	4.2	19.8	.0	13.1	.0
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.4							.4	.0	.0	.0	2.2	.0	.0	.0	.0	.0
TOT OBS	10	65	108	37	13	0	233		15.9	56	5	46	6	67	5	42	6
TOT PCT	4.3	27.9	46.4	15.9	5.6	.0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

	WIND SPEED (KNOTS)								HOUR (GMT)			
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	06 09	12 15	18 21
N	5.6	11.4	8.0	.0	.0		25.0	12.7	32.4	24.0	24.7	17.2
NE	1.5	6.2	3.1	1.7	.1		12.7	15.0	12.3	11.1	13.2	14.1
E	1.3	2.6	2.1	.0	1.2		7.2	17.3	6.6	9.6	8.7	3.1
SE	1.5	2.7	.8	.0	.0		4.9	10.7	4.1	5.8	6.3	3.1
S	1.8	4.4	1.9	3.1	.4		11.7	18.2	11.9	3.4	11.8	20.3
SW	1.2	5.2	5.2	4.0	.0		15.5	19.9	15.6	20.7	10.8	16.7
W	.6	2.6	5.4	1.1	.0		9.7	18.5	10.2	9.6	6.3	14.1
NW	.6	7.5	4.0	.9	.0		13.0	15.6	7.0	13.9	18.4	11.5
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	.4						.4	.0	.0	1.9	.0	.0
TOT OBS	34	99	71	25	4	233		15.9	61	52	72	48
TOT PCT	14.6	42.5	30.5	10.7	1.7		100.0		100.0	100.0	100.0	100.0

AD-A073 874 NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE N C F/G 4/2
SUMMARY OF SYNOPTIC METEOROLOGICAL OBSERVATIONS (SSMO) SELECTED--ETC(U)
SEP 79

UNCLASSIFIED NL

7 OF 7
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END
DATE
FILMED
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1.0
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7.1
MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS-1963-A

MARCH

PERIOD: (PRIMARY) 1950-1977
(OVER-ALL) 1869-1977

AREA 0024 CHATHAM ISLAND
43.8S 177.1W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS) 1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00603	.0	4.9	23.0	52.5	11.5	8.2	.0	16.4	100.0	61
06609	1.9	1.9	34.6	40.4	11.5	9.6	.0	15.1	100.0	52
12615	.0	4.2	29.2	45.8	18.1	2.8	.0	15.7	100.0	72
18621	.0	4.2	25.0	45.8	22.9	2.1	.0	16.3	100.0	48
TOT	1	9	65	108	37	13	0	15.9		233
PCT	.4	3.9	27.9	46.4	15.9	5.6	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	2.2	.0	10.0	11.4		6.5
NE	2.4	.4	8.9	1.4		5.3
E	.0	2.0	2.4	1.4		5.8
SE	.8	.2	1.6	.2		4.7
S	1.4	2.2	2.0	2.4		5.3
SW	1.2	.8	7.5	7.9		6.5
W	2.6	.8	5.1	4.1		5.7
NW	2.2	.8	7.9	4.5		5.5
VAR	.0	.0	.0	.0		.0
CALM	.0	.0	.0	.8		8.0
TOT OBS	16	9	56	42	123	5.9
TOT PCT	13.0	7.3	45.5	34.1	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT,NH >4/8) AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	TOTAL OBS
N	1.2	.0	3.3	4.7	4.5	3.3	.8	.0	.0	.0	5.9	
NE	.4	.0	.0	.2	3.3	3.0	.8	.0	.0	.0	5.5	
E	.0	.0	.0	.8	1.4	1.6	.0	.0	.0	.0	2.0	
SE	.0	.0	.0	.8	.2	.0	.8	.0	.0	.0	1.0	
S	.0	.0	.0	.0	4.5	.0	.0	.0	.0	.0	3.7	
SW	.2	.0	.0	3.3	4.3	2.6	.8	.0	.0	.0	6.3	
W	.6	.0	.0	.8	5.7	.6	.8	.0	.0	.0	4.1	
NW	1.6	.0	.8	2.4	3.0	.2	.0	.0	.0	.8	6.5	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.0	.8	.2	.0	.0	.0	.0	.0	.0	.0	
TOT OBS	5	0	6	16	33	14	5	0	0	1	43	123
TOT PCT	4.1	.0	4.9	13.0	26.8	11.4	4.1	.0	.0	.8	35.0	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) = OR >10	= OR >5	= OR >2	= OR >1	= OR >1/2	= OR >1/4	= OR >50YD	= OR >0
= OR >6500	.8	.8	.8	.8	.8	.8	.8	.8
= OR >5000	.8	.8	.8	.8	.8	.8	.8	.8
= OR >3500	2.4	4.7	4.7	4.7	4.7	4.7	4.7	4.7
= OR >2000	10.2	15.0	15.7	15.7	15.7	15.7	15.7	15.7
= OR >1000	29.1	40.9	43.3	43.3	43.3	43.3	43.3	43.3
= OR >600	30.7	50.4	58.3	58.3	58.3	58.3	58.3	58.3
= OR >300	31.5	53.5	62.2	62.2	62.2	62.2	62.2	62.2
= OR >150	31.5	53.5	62.2	62.2	62.2	62.2	62.2	62.2
= OR > 0	33.1	55.1	65.4	66.1	66.1	66.1	66.1	66.1
TOTAL	42	70	83	84	84	84	84	84

TOTAL NUMBER OF OBS: 127 PCT FREQ NH <5/8: 33.9

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8 OBSCD	TOTAL OBS
4.3	7.9	7.9	5.7	7.9	7.1	15.7	14.3	27.9	1.4	140

PERIOD: (PRIMARY) 1950-1977
(OVER-ALL) 1869-1977

AREA 0024 CHATHAM ISLAND
43.8S 177.1W

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.6	.0	.0	.0	.0	.0	.6	
	TOT %	.0	.0	.0	.0	.6	.0	.0	.0	.0	.0	.6	
1<2	PCP	.0	.0	.0	.0	.0	.0	.0	.6	.0	.0	.6	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.6	.0	.0	.6	
2<5	PCP	.6	.1	1.5	.0	.6	1.8	.4	.0	.0	.0	5.0	
	NO PCP	3.0	.8	1.1	.0	.0	2.2	.0	.6	.0	.0	7.7	
	TOT %	3.6	1.0	2.6	.0	.6	4.0	.4	.6	.0	.0	12.7	
5<10	PCP	.6	.0	1.1	.6	1.1	.0	.4	.1	.0	.0	3.9	
	NO PCP	5.8	4.1	1.1	1.9	3.7	4.6	3.3	4.7	.0	.6	29.8	
	TOT %	6.4	4.1	2.2	2.5	4.8	4.6	3.7	4.8	.0	.6	33.7	
10+	PCP	.0	.0	.4	.1	.6	.0	.0	.0	.0	.0	1.1	
	NO PCP	13.0	7.3	2.9	2.1	5.4	7.6	5.5	7.6	.0	.0	51.4	
	TOT %	13.0	7.3	3.3	2.2	5.9	7.6	5.5	7.6	.0	.0	52.5	
	TOT OBS												181
	TOT PCT	22.9	12.4	8.1	4.7	11.9	16.2	9.7	13.5	.0	.6	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.5	.0	.0	.0	.0		.5	
	TOT %	.0	.0	.0	.0	.5	.0	.0	.0	.0	.0	.5	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.5	.0	.0	.0		.5	
	22+	.0	.0	.0	.0	.0	.0	.0	.5	.0		.5	
	TOT %	.0	.0	.0	.0	.0	.5	.0	.5	.0	.0	1.1	
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.5	.0	.0	.5	
	4-10	1.1	.0	.5	.0	.5	.5	.0	.0	.0		2.7	
	11-21	2.5	.8	.5	.0	.0	1.2	.4	.0	.0		5.5	
	22+	.0	.1	1.5	.0	.0	2.2	.0	.0	.0		3.8	
	TOT %	3.6	1.0	2.6	.0	.5	4.0	.4	.5	.0	.0	12.6	
5<10	0-3	.0	.0	.5	.3	.3	.1	.4	.0	.0	.5	2.2	
	4-10	1.9	1.1	.5	.5	2.2	1.6	.5	.8	.0		9.3	
	11-21	3.8	1.4	1.1	1.6	.5	1.8	2.3	2.2	.0		14.8	
	22+	.5	1.6	.0	.0	1.8	1.0	.4	1.8	.0		7.1	
	TOT %	6.3	4.1	2.2	2.5	4.8	4.5	3.7	4.8	.0	.5	33.5	
10+	0-3	.8	.8	.0	.0	.5	.0	.0	.0	.0	.0	2.2	
	4-10	2.5	3.3	1.4	1.2	1.4	1.4	.4	1.6	.0		13.2	
	11-21	9.1	3.2	1.9	1.0	2.5	2.6	3.6	4.8	.0		28.6	
	22+	.5	.0	.0	.0	1.5	3.6	1.5	1.1	.0		8.2	
	TOT %	12.9	7.3	3.3	2.2	5.9	7.6	5.5	7.6	.0	.0	52.2	
	TOT OBS												182
	TOT PCT	22.8	12.4	8.1	4.7	11.8	16.6	9.6	13.5	.0	.5	100.0	

MARCH

PERIOD: (PRIMARY) 1950-1977
(OVER-ALL) 1869-1977

AREA 0024 CHATHAM ISLAND
43.8S 177.1W

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00&03	3.0	.0	6.1	27.3	15.2	15.2	.0	.0	.0	.0	66.7	33.3	33
06&09	2.4	.0	4.9	7.3	19.5	17.1	4.9	.0	.0	.0	56.1	43.9	41
12&15	4.0	.0	8.0	8.0	20.0	8.0	8.0	.0	.0	4.0	60.0	40.0	25
18&21	0.1	.0	.0	15.2	51.5	.0	3.0	.0	.0	.0	75.8	24.2	33
TOT	5	0	6	19	35	14	5	0	0	1	85	47	132
PCT	3.8	.0	4.5	14.4	26.5	10.6	3.8	.0	.0	.8	64.4	35.6	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00&03	.0	.0	.0	14.0	40.0	46.0	50
06&09	.0	.0	.0	8.9	24.4	66.7	45
12&15	.0	1.8	1.8	12.7	36.4	47.3	55
18&21	.0	.0	2.5	12.5	32.5	52.5	40
TOT	0	1	2	23	64	100	190
PCT	.0	.5	1.1	12.1	33.7	52.6	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET, NH >4/8), BY HOUR

HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL OBS
00&03	3.0	9.1	39.4	27.3	33.3	33
06&09	2.5	7.5	20.0	40.0	40.0	40
12&15	4.8	9.5	19.0	47.6	33.3	21
18&21	6.1	6.1	24.2	51.5	24.2	33
TOT	5	10	33	52	42	127
PCT	3.9	7.9	26.0	40.9	33.1	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
65/69	.0	.0	.0	.0	.6	.6	1.7	5.2	14	8.1
60/64	.0	.0	.0	1.7	2.3	5.2	9.9	23.3	73	42.4
55/59	.0	.0	.0	.6	.6	7.6	13.4	16.3	66	38.4
50/54	.0	.0	.6	.0	.6	4.1	3.5	2.3	19	11.0
TOTAL	0	0	1	4	7	30	49	81	172	100.0
PCT	.0	.0	.6	2.3	4.1	17.4	28.5	47.1		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

	N	NE	E	SE	S	SW	W	NW	VAR	CALM
	5.4	2.0	.0	.0	.0	.0	.6	.1	.0	.0
	14.1	10.2	2.9	.1	1.0	1.3	.9	11.9	.0	.0
	6.7	2.5	3.3	3.5	6.1	7.6	5.5	2.6	.0	.6
	.0	.0	.0	.1	5.8	4.5	.0	.6	.0	.0
	26.2	14.7	6.3	3.8	12.9	13.4	7.0	15.3	.0	.6

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00&03	69	68	68	60	55	52	52	60.6	64
06&09	66	65	65	59	54	50	50	59.2	53
12&15	66	65	64	60	52	51	51	58.6	73
18&21	66	65	64	59	52	49	49	58.0	49
TOT	69	68	66	59	52	50	49	59.1	239

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00&03	.0	5.1	7.7	23.1	10.3	53.8	85	39
06&09	.0	6.7	2.2	20.0	24.4	46.7	84	45
12&15	.0	.0	9.3	13.0	33.3	44.4	87	54
18&21	.0	.0	2.4	14.3	38.1	45.2	88	42
TOT	0	5	10	31	49	85	86	180

PERIOD: (PRIMARY) 1950-1977
(OVER-ALL) 1869-1977

AREA 0024 CHATHAM ISLAND
43.8S 177.1W

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	49 52	53 56	57 60	61 64	65 68	69 72	TOT	W FOG	WO FOG
9/10	.0	.0	.6	.0	.0	.0	1	.0	.6
7/8	.0	.0	.0	.0	.6	.0	1	.0	.6
6	.0	.0	.0	.0	.6	.0	1	.0	.6
5	.0	.0	.0	.6	1.3	.0	3	.0	1.9
4	.0	.0	.0	1.3	.0	.0	2	.0	1.3
3	.0	.6	.6	3.2	1.3	.0	9	.0	5.8
2	.0	.0	.6	5.8	1.9	.6	14	.0	9.0
1	.0	.6	5.8	5.2	.6	.0	19	1.9	10.3
0	.0	1.3	5.2	7.1	1.9	.0	24	.6	14.8
-1	.0	3.9	6.5	3.2	.0	.0	21	.0	13.5
-2	.0	3.9	5.2	4.5	.0	.0	21	.6	12.9
-3	.0	3.2	5.2	.0	.0	.0	13	.0	8.4
-4	.6	2.6	2.6	.6	.0	.0	10	.0	6.5
-5	1.3	1.9	1.9	.0	.0	.0	8	.0	5.2
-6	.0	1.9	.0	.0	.0	.0	3	.0	1.9
-7/-8	.6	1.9	.0	.0	.0	.0	4	.0	2.6
-11/-13	.6	.0	.0	.0	.0	.0	1	.0	.6
TOTAL	5	34	53	49	13	1	155	5	150
PCT	3.2	21.9	34.2	31.6	8.4	.6	100.0	3.2	96.8

PERIOD: (OVER-ALL) 1963-1977

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	1.1	.0	.0	.0	.0	.0	1.1
1-2	.0	3.2	1.9	.0	.0	.0	5.1
3-4	.0	2.2	11.6	.0	.0	.0	13.7
5-6	.0	.0	4.6	.0	.0	.0	4.6
7	.0	.0	1.9	.0	.0	.0	1.9
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.1	5.4	19.9	.0	.0	.0	26.3

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	1.1	.0	.0	.0	.0	.0	1.1
1-2	.0	2.2	.0	.0	.0	.0	2.2
3-4	.0	1.6	1.1	.0	.0	.0	2.7
5-6	.0	1.1	.3	.0	.0	.0	1.3
7	.0	.0	1.3	.0	.0	.0	1.3
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	1.1	.0	.0	.0	1.1
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.1	4.8	3.8	.0	.0	.0	9.7

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	2.7	.0	.0	.0	.0	2.7
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.8	.0	.0	.0	.8
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	2.7	.8	.0	.0	.0	3.5

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.3	.0	.0	.0	.0	.3
3-4	.0	1.1	1.1	.0	.0	.0	2.2
5-6	.0	.0	1.1	.0	.0	.0	1.1
7	.0	.0	.3	.0	.0	.0	.3
8-9	.0	.0	.3	.0	.0	.0	.3
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	1.3	2.7	.0	.0	.0	4.0

PERIOD: (OVER-ALL) 1963-1977

MARCH

TABLE 1b (CONT)

AREA 0024 CHATHAM ISLAND 43.8S 177.1W

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

S

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	1.9	.0	.0	.0	.0	1.9
3-4	.0	3.0	.0	.0	.0	.0	3.0
5-6	.0	.0	.8	.0	.0	.0	.8
7	.0	.0	1.1	.0	.0	.0	1.1
8-9	.0	.0	1.9	.0	.0	.0	1.9
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	4.2	1.1	.0	5.2
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	4.8	3.8	4.2	1.1	.0	11.8

SW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.3	.0	.0	.0	.3
3-4	.0	1.3	.3	.0	.0	.0	1.6
5-6	.0	2.2	2.7	1.1	.0	.0	5.9
7	.0	.0	.0	1.1	.0	.0	1.1
8-9	.0	.0	.3	.0	.0	.0	.3
10-11	.0	.0	2.2	.0	1.1	.0	3.2
12	.0	.0	.0	1.1	.0	.0	1.1
13-16	.0	.0	.0	.0	1.1	.0	1.1
17-19	.0	.0	1.1	.0	.0	.0	1.1
20-22	.0	.0	.0	.3	.0	.0	.3
23-25	.0	.0	1.1	.0	.0	.0	1.1
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	3.8	7.5	3.5	2.2	.0	16.9

W

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	1.9	1.1	.0	.0	.0	3.0
3-4	.0	.0	.8	.0	.0	.0	.8
5-6	.0	.0	.8	.0	.0	.0	.8
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	1.9	.0	.0	.0	1.9
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.8	.0	.0	.8
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	1.9	4.6	.8	.0	.0	7.3

NW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	.0	.0	.0	.0	.0	.0	.0	
1-2	1.1	1.1	2.4	.0	.0	.0	4.6	
3-4	.0	.0	2.4	.0	.0	.0	2.4	
5-6	.0	1.1	4.8	.0	.0	.0	5.9	
7	.0	.0	1.1	1.1	.0	.0	2.2	
8-9	.0	.0	.0	2.2	.0	.0	2.2	
10-11	.0	.0	.0	1.1	1.1	.0	2.2	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	1.1	2.2	10.8	4.3	1.1	.0	19.4	98.9

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	3.2	.0	.0	.0	.0	.0	3.2	
1-2	1.1	10.8	5.4	.0	.0	.0	17.2	
3-4	.0	11.8	17.2	.0	.0	.0	29.0	
5-6	.0	4.3	15.1	1.1	.0	.0	20.4	
7	.0	.0	6.5	2.2	.0	.0	8.6	
8-9	.0	.0	4.3	2.2	.0	.0	6.5	
10-11	.0	.0	3.2	1.1	2.2	.0	6.5	
12	.0	.0	.0	3.2	1.1	.0	4.3	
13-16	.0	.0	.0	.0	1.1	.0	1.1	
17-19	.0	.0	1.1	.0	.0	.0	1.1	
20-22	.0	.0	.0	1.1	.0	.0	1.1	
23-25	.0	.0	1.1	.0	.0	.0	1.1	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	4.3	26.9	53.8	10.8	4.3	.0	100.0	93

PERIOD: (OVER-ALL) 1953-1977

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	.0	4.4	6.1	.9	2.6	1.8	1.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	20	5
6-7	.0	.0	.0	0.1	5.3	12.3	2.6	.9	2.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	34	8
8-9	.0	.9	.0	2.6	7.0	3.5	3.5	1.8	4.4	1.8	2.6	.0	.0	.0	.0	.0	.0	.0	.0	32	10
10-11	.0	.0	.0	.9	.9	.0	1.8	.0	4.4	.0	.0	.0	.9	.0	.0	.0	.0	.0	.0	10	13
12-13	.0	.0	.9	.0	.9	2.6	.0	.0	2.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	8	10
>13	.0	.0	.0	.0	.0	.9	.0	.9	.0	.0	.0	.9	.0	.0	.0	.0	.0	.0	.0	3	15
INDET	.0	.0	.0	.0	.9	1.8	.9	.9	.0	.0	1.8	.0	.0	.0	.0	.0	.0	.0	.0	7	12
TOTAL	0	6	8	12	20	26	12	5	16	2	5	1	1	0	0	0	0	0	0	114	9
PCT	.0	5.3	7.0	10.5	17.5	22.8	10.5	4.4	14.0	1.8	4.4	.9	.9	.0	.0	.0	.0	.0	.0	100.0	

APRIL

PERIOD: (PRIMARY) 1923-1970
(OVER-ALL) 1878-1970

AREA 0024 CHATHAM ISLAND
43.9S 177.0W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
N	6.1	9.2	.0	.0	.0	.0	.0	14.3	.0	.0	4.1	.0	4.1		.0	77.6
NE	1.4	5.4	5.4	.0	.0	.0	.0	12.2	10.8	.0	17.6	.0	.0		.0	59.5
E	25.8	.0	.0	.0	.0	.0	.0	25.8	.0	.0	9.7	.0	.0		.0	64.5
SE	10.8	.0	.0	.0	.0	.0	.0	10.8	.0	.0	.0	.0	.0		.0	89.2
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	100.0
SW	12.4	.0	12.9	.0	.0	.0	.0	32.3	.0	.0	.0	.0	.0		.0	67.7
W	15.4	.0	.0	.0	.0	.0	.0	15.4	.0	.0	.0	.0	.0		.0	84.6
NW	.0	.0	.0	.0	.0	.0	.0	.0	8.3	.0	4.2	.0	12.5		.0	75.0
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0
TOT PCT	8.3	2.4	2.4	.0	.0	.0	.0	13.1	3.6	.0	6.0	.0	2.4		.0	75.0
TOT OBS:	84															

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
00&03	7.1	3.6	.0	.0	.0	.0	.0	10.7	7.1	.0	7.1	.0	7.1		.0	67.9
06&09	5.3	.0	5.3	.0	.0	.0	.0	10.5	.0	.0	.0	.0	.0		.0	89.5
12&15	12.0	.0	4.0	.0	.0	.0	.0	16.0	.0	.0	8.0	.0	.0		.0	76.0
18&21	8.3	8.3	.0	.0	.0	.0	.0	16.7	8.3	.0	8.3	.0	.0		.0	66.7
TOT PCT	8.3	2.4	2.4	.0	.0	.0	.0	13.1	3.6	.0	6.0	.0	2.4		.0	75.0
TOT OBS:	84															

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	WIND SPEED (KNOTS)									HOUR (GMT)							
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	.0	5.9	3.5	4.5	1.2	.0		15.1	17.8	4.1	75.0	16.0	.0	23.2	.0	21.7	.0
NE	.0	7.2	8.0	8.3	2.1	.0		19.6	21.6	18.2	.0	21.0	.0	16.1	.0	28.3	.0
E	.0	.5	1.7	4.2	4.7	.0		11.1	29.7	12.8	.0	8.0	.0	8.9	.0	16.7	.0
SE	.9	3.3	5.0	.7	.9	.0		10.8	14.7	15.5	.0	12.0	.0	6.3	.0	6.7	.0
S	.0	.0	5.4	1.7	.0	.0		7.1	18.2	10.1	.0	.0	.0	9.8	.0	6.7	.0
SW	.0	.9	5.4	2.6	1.9	.0		10.8	22.4	12.8	.0	13.0	.0	8.9	.0	6.7	.0
W	.0	.0	8.3	2.6	.9	.0		11.8	19.2	6.1	.0	19.0	.0	16.1	.0	6.7	.0
NW	.0	1.4	10.8	.9	.5	.0		13.7	16.1	20.3	25.0	11.0	.0	10.7	.0	6.7	.0
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0							.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT OBS	1	14	51	27	13	0	106		20.0	37	1	25	0	28	0	15	0
TOT PCT	.9	13.2	48.1	25.5	12.3	.0		100.0		100.0	100.0	100.0	.0	100.0	.0	100.0	.0

TABLE 3A

	WIND SPEED (KNOTS)								HOUR (GMT)			
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	06 09	12 15	18 21
N	.9	6.8	4.0	3.3	.0		15.1	17.8	5.9	16.0	23.2	21.7
NE	.0	4.0	11.6	4.0	.0		19.6	21.6	17.8	21.0	16.1	28.3
E	.0	1.4	1.4	8.3	.0		11.1	29.7	12.5	8.0	8.9	16.7
SE	1.9	6.4	.9	.7	.9		10.8	14.7	15.1	12.0	6.3	6.7
S	.0	4.5	1.4	1.2	.0		7.1	18.2	9.9	.0	9.8	6.7
SW	.0	2.8	5.2	1.9	.9		10.8	22.4	12.5	13.0	8.9	6.7
W	.0	3.3	7.2	.9	.0		11.8	19.2	5.9	19.0	16.1	6.7
NW	.0	7.5	5.7	.5	.0		13.7	16.1	20.4	11.0	10.7	6.7
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	.0						.0	.0	.0	.0	.0	.0
TOT OBS	3	39	40	22	2	106		20.0	38	25	28	15
TOT PCT	2.8	36.8	37.7	20.8	1.9		100.0		100.0	100.0	100.0	100.0

APRIL

PERIOD: (PRIMARY) 1923-1970
(OVER-ALL) 1878-1970

AREA 0024 CHATHAM ISLAND
43.9S 177.0W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS) 1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00&03	.0	2.6	10.5	52.6	21.1	13.2	.0	19.7	100.0	38
06&09	.0	.0	16.0	44.0	32.0	8.0	.0	19.0	100.0	25
12&15	.0	.0	7.1	57.1	21.4	14.3	.0	20.8	100.0	28
18&21	.0	.0	26.7	26.7	33.3	13.3	.0	20.7	100.0	15
TOT	0	1	14	51	27	13	0	20.0		106
PCT	.0	.9	13.2	48.1	25.5	12.3	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	3.0	1.5	9.0	7.0		5.8
NE	.0	.5	9.5	11.5		7.4
E	.0	.0	1.5	3.5		7.7
SE	.0	2.5	2.0	2.0		5.8
S	.0	1.5	4.0	4.0		6.7
SW	.0	2.0	.5	5.0		6.4
W	.0	.0	7.5	5.0		6.6
NW	1.0	2.0	6.0	8.0		6.6
VAR	.0	.0	.0	.0		.0
CALM	.0	.0	.0	.0		.0
TOT OBS	2	5	20	23	50	6.6
TOT PCT	4.0	10.0	40.0	46.0	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT,NH >4/8) AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

WND DIR	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	TOTAL OBS
N	.0	.0	.0	3.5	3.0	1.5	.0	.0	.0	3.0	4.5	
NE	.0	.0	.0	6.5	6.5	7.0	.0	.0	.0	1.0	.5	
E	.0	.0	.0	2.0	1.5	1.5	.0	.0	.0	.0	.0	
SE	2.0	.0	.0	.0	2.0	.0	.0	.0	.0	.0	2.5	
S	.0	.0	.0	.0	4.0	2.0	2.0	.0	.0	.0	1.5	
SW	.0	.0	2.0	.0	.5	1.0	2.0	.0	.0	.0	2.0	
W	.0	.0	.0	.0	5.5	5.0	.0	.0	.0	.0	2.0	
NW	.0	.0	.0	.0	4.0	6.0	.0	.0	.0	.0	7.0	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT OBS	1	0	1	6	16	12	2	0	0	2	10	50
TOT PCT	2.0	.0	2.0	12.0	32.0	24.0	4.0	.0	.0	4.0	20.0	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) ■ OR >10	■ OR >5	■ OR >2	■ OR >1	■ OR >1/2	■ OR >1/4	■ OR >50YD	■ OR >0
■ OR >6500	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
■ OR >5000	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
■ OR >3500	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0
■ OR >2000	20.0	30.0	32.0	32.0	32.0	32.0	32.0	32.0
■ OR >1000	44.0	62.0	64.0	64.0	64.0	64.0	64.0	64.0
■ OR >600	44.0	70.0	76.0	76.0	76.0	76.0	76.0	76.0
■ OR >300	44.0	70.0	78.0	78.0	78.0	78.0	78.0	78.0
■ OR >120	44.0	70.0	78.0	78.0	78.0	78.0	78.0	78.0
■ OR > 0	44.0	70.0	78.0	78.0	80.0	80.0	80.0	80.0
TOTAL	22	35	39	39	40	40	40	40

TOTAL NUMBER OF OBS: 50 PCT FREQ NH <5/8: 20.0

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8 OBSCD	TOTAL OBS
1.6	3.2	1.6	8.1	3.2	6.5	12.9	17.7	43.5	1.6	62

APRIL

PERIOD: (PRIMARY) 1923-1970
(OVER-ALL) 1878-1970

AREA 0024 CHATHAM ISLAND
43.9S 177.0W

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	PCP	.0	.0	.0	1.2	.0	.0	.0	.0	.0	.0	1.2	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	1.2	.0	.0	.0	.0	.0	.0	1.2	
1<2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.6	1.2	.0	.0	.0	.0	.0	.6	.0	.0	2.4	
	TOT %	.6	1.2	.0	.0	.0	.0	.0	.6	.0	.0	2.4	
2<5	PCP	.9	.3	1.2	.0	.0	1.2	.0	.0	.0	.0	3.6	
	NO PCP	.0	1.5	.9	.0	.0	.0	.0	.0	.0	.0	2.4	
	TOT %	.9	1.8	2.1	.0	.0	1.2	.0	.0	.0	.0	6.0	
5<10	PCP	.6	.6	1.2	.0	.0	1.8	1.8	.0	.0	.0	6.0	
	NO PCP	4.2	7.8	3.0	3.0	1.8	3.6	1.8	8.4	.0	.0	33.7	
	TOT %	4.8	8.4	4.2	3.0	1.8	5.4	3.6	8.4	.0	.0	39.8	
10+	PCP	.6	.6	.0	.0	.0	.0	.0	.0	.0	.0	1.2	
	NO PCP	7.8	9.0	3.0	6.9	6.3	2.7	8.1	5.4	.0	.0	49.4	
	TOT %	8.4	9.6	3.0	6.9	6.3	2.7	8.1	5.4	.0	.0	50.6	
	TOT OBS												83
	TOT PCT	14.8	21.1	9.3	11.1	8.1	9.3	11.7	14.5	.0	.0	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	1.2	.0	.0	.0	.0	.0		1.2	
	TOT %	.0	.0	.0	1.2	.0	.0	.0	.0	.0	.0	1.2	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.6	.0	.0	.0	.0	.0	.0	.6	.0		1.2	
	11-21	.0	1.2	.0	.0	.0	.0	.0	.0	.0		1.2	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.6	1.2	.0	.0	.0	.0	.0	.6	.0	.0	2.4	
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.9	1.8	2.1	.0	.0	1.2	.0	.0	.0		6.0	
	TOT %	.9	1.8	2.1	.0	.0	1.2	.0	.0	.0	.0	6.0	
5<10	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	1.8	.6	.6	1.8	.0	1.2	.0	.0	.0		6.0	
	11-21	1.2	3.6	.0	1.2	1.2	1.2	2.4	7.2	.0		18.1	
	22+	1.8	4.2	3.6	.0	.6	3.0	1.2	1.2	.0		15.7	
	TOT %	4.8	8.4	4.2	3.0	1.8	5.4	3.6	8.4	.0	.0	39.8	
10+	0-3	.0	.0	.0	1.2	.0	.0	.0	.0	.0	.0	1.2	
	4-10	3.0	.6	.0	1.2	.0	.0	.0	1.2	.0		6.0	
	11-21	1.5	3.0	2.1	3.9	5.7	2.7	5.7	4.2	.0		28.9	
	22+	3.9	6.0	.9	.6	.6	.0	2.4	.0	.0		14.5	
	TOT %	8.4	9.6	3.0	6.9	6.3	2.7	8.1	5.4	.0	.0	50.6	
	TOT OBS												83
	TOT PCT	14.8	21.1	9.3	11.1	8.1	9.3	11.7	14.5	.0	.0	100.0	

APRIL

PERIOD: (PRIMARY) 1923-1976
(OVER-ALL) 1878-1976

AREA 0024 CHATHAM ISLAND
43.9S 177.0W

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET,NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00&03	.0	.0	8.3	16.7	16.7	41.7	.0	.0	.0	.0	83.3	16.7	12
06&09	.0	.0	.0	6.3	31.3	18.8	6.3	.0	.0	6.3	68.8	31.3	16
12&15	.0	.0	.0	16.7	50.0	8.3	.0	.0	.0	8.3	83.3	16.7	12
18&21	9.1	.0	.0	9.1	27.3	27.3	9.1	.0	.0	.0	81.8	18.2	11
TOT	4	0	1	6	16	12	2	0	0	2	40	11	51
PCT	8.0	.0	2.0	11.8	31.4	23.5	3.9	.0	.0	3.9	78.4	21.6	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00&03	.0	.0	7.1	10.7	50.0	32.1	28
06&09	.0	.0	.0	.0	16.7	83.3	18
12&15	.0	.0	.0	4.0	56.0	40.0	25
18&21	.0	8.3	.0	8.3	16.7	66.7	12
TOT	0	1	2	5	34	42	83
PCT	.0	1.2	2.4	6.0	39.8	50.6	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET,NH >4/8),BY HOUR

HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL OBS
00&03	.0	8.3	25.0	58.3	16.7	12
06&09	.0	.0	6.7	66.7	26.7	15
12&15	.0	.0	16.7	66.7	16.7	12
18&21	9.1	9.1	27.3	54.5	18.2	11
TOT	1	2	9	31	10	50
PCT	2.0	4.0	18.0	62.0	20.0	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
60/64	.0	.0	.0	.0	1.6	1.6	18.8	3.1	16	25.0
55/59	.0	.0	.0	.0	1.6	6.3	15.6	12.5	23	35.9
50/54	.0	.0	.0	3.1	1.6	9.4	18.8	1.6	22	34.4
45/49	.0	.0	.0	.0	.0	.0	1.6	3.1	3	4.7
TOTAL	0	0	0	2	3	11	35	13	64	100.0
PCT	.0	.0	.0	3.1	4.7	17.2	54.7	20.3		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
7.8	3.1	.0	1.6	1.6	.0	1.6	9.4	.0	.0
7.8	9.8	2.7	1.6	.0	1.6	7.8	4.7	.0	.0
.0	3.1	10.9	3.5	5.1	8.6	3.1	.0	.0	.0
.0	.0	1.6	1.6	.0	1.6	.0	.0	.0	.0
15.6	16.0	15.2	8.2	6.6	11.7	12.5	14.1	.0	.0

TABLE 15

MEANS,EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00&03	65	64	64	57	47	45	45	57.1	38
06&09	63	62	62	59	51	51	51	57.4	25
12&15	63	62	62	56	50	50	50	56.2	27
18&21	61	60	60	56	47	47	47	55.7	14
TOT	65	64	63	57	51	45	45	56.8	104

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00&03	.0	.0	10.5	21.1	42.1	26.3	83	19
06&09	.0	10.5	5.3	10.5	57.9	15.8	82	19
12&15	.0	.0	.0	6.3	68.8	25.0	87	16
18&21	.0	.0	.0	40.0	50.0	10.0	83	10
TOT	0	2	3	11	35	13	84	64

APRIL

PERIOD: (PRIMARY) 1923-1976
(OVER-ALL) 1878-1976

AREA 0024 CHATHAM ISLAND
43.9S 177.0W

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	45 48	49 52	53 56	57 60	61 64	TOT	W FOG	WO FOG
6	.0	.0	.0	.0	1.4	1	.0	1.4
5	.0	.0	.0	1.4	1.4	2	.0	2.7
4	.0	.0	.0	2.7	1.4	3	.0	4.1
3	.0	.0	.0	.0	5.4	4	.0	5.4
2	.0	.0	1.4	6.8	8.1	12	1.4	14.9
1	.0	.0	1.4	9.5	4.1	11	.0	14.9
0	.0	1.4	5.4	6.8	.0	10	1.4	12.2
-1	.0	.0	2.7	8.1	1.4	9	1.4	10.8
-2	.0	5.4	4.1	2.7	.0	9	1.4	10.8
-3	.0	1.4	2.7	.0	.0	3	.0	4.1
-4	.0	2.7	2.7	1.4	.0	5	.0	6.8
-5	.0	.0	2.7	.0	.0	2	.0	2.7
-7/-8	1.4	.0	.0	.0	.0	1	.0	1.4
-9/-10	1.4	.0	1.4	.0	.0	2	.0	2.7
TOTAL	2	8	18	29	17	74	4	70
PCT	2.7	10.8	24.3	39.2	23.0	100.0	5.4	94.6

PERIOD: (OVER-ALL) 1963-1976

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	2.9	.0	.0	.0	.0	2.9
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	2.1	.0	.0	.0	2.1
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	4.3	.0	.0	4.3
10-11	.0	.0	.0	.0	2.1	.0	2.1
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	2.9	2.1	4.3	2.1	.0	11.4

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	1.4	.0	2.9	.0	4.3
7	.0	.0	2.9	2.9	.0	.0	5.7
8-9	.0	.0	.0	1.4	.0	.0	1.4
10-11	.0	.0	.0	.7	.7	.0	1.4
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	2.9	.0	.0	2.9
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	4.3	7.9	3.6	.0	15.7

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	2.9	.0	.0	.0	2.9
5-6	.0	.0	2.1	.0	.0	.0	2.1
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	2.1	.0	.0	2.1
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	5.0	2.1	.0	.0	7.1

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	2.9	.0	2.9	.0	.0	.0	5.7
5-6	.0	.0	.7	.0	2.9	.0	3.6
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	2.9	.0	3.6	.0	2.9	.0	9.3

PERIOD: (OVER-ALL) 1963-1976

APRIL

AREA 0024 CHATHAM ISLAND
43.4S 177.0W

TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

S

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	2.9	.0	.0	.0	2.9
3-4	.0	.0	2.9	.0	.0	.0	2.9
5-6	.0	.0	5.0	.0	.0	.0	5.0
7	.0	.0	2.9	.0	.0	.0	2.9
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	13.6	.0	.0	.0	13.6

SW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	2.9	.0	.0	.0	2.9
7	.0	.0	.7	.0	2.9	.0	3.6
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.6	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	3.6	.0	2.9	.0	6.4

W

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	2.9	.0	.0	.0	2.9
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	8.6	2.9	.0	.0	11.4
7	.0	.0	2.1	.0	2.9	.0	5.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	13.6	2.9	2.9	.0	19.3

NW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	2.9	5.7	.0	.0	.0	8.6
3-4	.0	.0	2.9	.0	.0	.0	2.9
5-6	.0	.0	.0	2.9	.0	.0	2.9
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	2.9	.0	.0	.0	2.9
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	2.9	11.4	2.9	.0	.0	17.1

HGT	TOTAL PCT
<1	.0
1-2	8.6
3-4	2.9
5-6	2.9
7	.0
8-9	.0
10-11	2.9
12	.0
13-16	.0
17-19	.0
20-22	.0
23-25	.0
26-32	.0
33-40	.0
41-48	.0
49-60	.0
61-70	.0
71-86	.0
87+	.0
TOT PCT	100.0

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	.0	.0	.0	.0	.0	.0	.0	
1-2	.0	5.7	11.4	.0	.0	.0	17.1	
3-4	2.9	.0	11.4	.0	.0	.0	14.3	
5-6	.0	.0	22.9	5.7	5.7	.0	34.3	
7	.0	.0	8.6	2.9	5.7	.0	17.1	
8-9	.0	.0	.0	5.7	.0	.0	5.7	
10-11	.0	.0	2.9	2.9	2.9	.0	8.6	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	2.9	.0	.0	2.9	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	2.9	5.7	57.1	20.0	14.3	.0	100.0	35

PERIOD: (OVER-ALL) 1949-1976

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	.0	2.3	4.5	.0	.0	2.3	6.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7	7
6-7	.0	.0	2.3	.0	11.4	2.3	2.3	.0	2.3	.0	2.3	.0	.0	.0	.0	.0	.0	.0	.0	10	9
8-9	.0	.0	.0	2.3	4.5	2.3	2.3	4.5	2.3	.0	4.5	.0	2.3	.0	.0	.0	.0	.0	.0	11	13
10-11	.0	.0	.0	2.3	.0	.0	.0	2.3	4.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4	11
12-13	.0	.0	9.1	.0	.0	.0	.0	.0	.0	.0	2.3	.0	.0	.0	.0	.0	.0	.0	.0	5	6
>13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
INDET	.0	.0	.0	2.3	2.3	.0	6.8	.0	2.3	2.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	7	10
TOTAL	0	1	7	3	8	3	8	3	5	1	4	0	1	0	0	0	0	0	0	44	10
PCT	.0	2.3	15.9	6.8	18.2	6.8	18.2	6.8	11.4	2.3	9.1	.0	2.3	.0	.0	.0	.0	.0	.0	100.0	

MAY

PERIOD: (PRIMARY) 1947-1976
(OVER-ALL) 1874-1976

AREA 0024 CHATHAM ISLAND
43.9S 176.9W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

	PRECIPITATION TYPE									OTHER WEATHER PHENOMENA					
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG NO PCPN	FOG W/O PCPN PAST HR	SMOKE HAZE	SPRAY BLWG	DUST BLWG SNOW	NO SIG WEA
N	.0	.0	.0	.0	.0	.0	.0	.0	17.6	.0	.0	.0	.0		.0	82.4
NE	.0	.0	.0	.0	.0	.0	.0	.0	4.3	.0	8.7	.0	.0		.0	87.0
E	.0	.0	.0	.0	.0	.0	.0	.0	13.3	.0	6.7	.0	.0		.0	80.0
SE	.0	.0	.0	.0	.0	.0	.0	.0	21.1	.0	.0	.0	.0		.0	78.9
S	.0	.0	5.1	.0	.0	.0	.0	5.1	3.8	.0	5.1	.0	.0		.0	85.9
SW	.0	.0	10.4	.0	.0	.0	8.3	18.8	4.2	.0	.0	.0	.0		.0	77.1
W	.0	.0	14.3	.0	.0	.0	.0	14.3	6.1	.0	8.2	.0	.0		.0	71.4
NW	.0	.0	.0	.0	.0	.0	.0	.0	16.7	.0	.0	.0	.0		.0	83.3
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0
TOT PCT	.0	.0	5.6	.0	.0	.0	1.4	6.9	8.3	.0	4.2	.0	.0		.0	80.6
TOT OBS:	72															

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

	PRECIPITATION TYPE									OTHER WEATHER PHENOMENA					
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG NO PCPN	FOG W/O PCPN PAST HR	SMOKE HAZE	SPRAY BLWG	DUST BLWG SNOW	NO SIG WEA
00&03	.0	.0	.0	.0	.0	.0	5.9	5.9	.0	.0	5.9	.0	.0		.0	88.2
06&09	.0	.0	.0	.0	.0	.0	.0	.0	11.1	.0	.0	.0	.0		.0	88.9
12&15	.0	.0	12.0	.0	.0	.0	.0	12.0	12.0	.0	8.0	.0	.0		.0	68.0
18&21	.0	.0	8.3	.0	.0	.0	.0	8.3	8.3	.0	.0	.0	.0		.0	83.3
TOT PCT	.0	.0	5.6	.0	.0	.0	1.4	6.9	8.3	.0	4.2	.0	.0		.0	80.6
TOT OBS:	72															

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	WIND SPEED (KNOTS)									HOUR (GMT)							
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	.5	3.1	2.6	1.8	.0	.0		8.1	14.1	8.0	.0	8.3	75.0	9.8	.0	.0	.0
NE	.5	4.4	4.4	.3	.0	.0		9.6	12.1	4.0	.0	9.5	25.0	9.1	.0	20.0	.0
E	.0	1.6	5.2	2.1	.0	.0		8.9	16.5	12.0	.0	9.5	.0	4.5	.0	13.3	.0
SE	.0	.5	3.6	1.0	.0	.0		5.2	17.1	9.0	.0	6.0	.0	3.0	.0	3.3	.0
S	3.1	8.6	9.4	3.9	.0	.0		25.0	12.7	12.0	.0	27.4	.0	28.8	.0	38.3	.0
SW	.0	2.6	4.2	10.2	.5	.0		17.4	21.3	15.0	.0	7.1	.0	28.8	.0	11.7	25.0
W	.0	4.9	10.7	3.4	.5	.0		19.5	15.6	35.0	.0	26.2	.0	6.1	.0	11.7	75.0
NW	.0	2.3	3.6	.3	.0	.0		6.3	12.3	5.0	.0	6.0	.0	9.8	.0	1.7	.0
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0							.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT OBS	4	27	42	22	1	0	96		15.4	25	0	21	1	33	0	15	1
TOT PCT	4.2	28.1	43.8	22.9	1.0	.0		100.0		100.0	.0	100.0	100.0	100.0	.0	100.0	100.0

TABLE 3A

	WIND SPEED (KNOTS)								HOUR (GMT)			
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	06 09	12 15	18 21
N	1.6	2.9	2.9	.8	.0		8.1	14.1	8.0	11.4	9.8	.0
NE	.5	6.5	2.3	.3	.0		9.6	12.1	4.0	10.2	9.1	18.8
E	1.0	2.6	5.2	.0	.0		8.9	16.5	12.0	9.1	4.5	12.5
SE	.3	1.6	3.4	.0	.0		5.2	17.1	9.0	5.7	3.0	3.1
S	3.9	13.3	6.5	1.3	.0		25.0	12.7	12.0	26.1	28.8	35.9
SW	2.1	2.6	8.1	4.2	.5		17.4	21.3	15.0	6.8	28.8	12.5
W	.0	12.8	3.4	1.8	.5		19.5	19.6	35.0	25.0	6.1	15.6
NW	.0	4.7	1.6	.0	.0		6.3	12.3	5.0	5.7	9.8	1.6
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	.0						.0	.0	.0	.0	.0	.0
TOT OBS	9	46	32	8	1	96		15.4	25	22	33	16
TOT PCT	9.4	47.9	33.3	8.3	1.0		100.0		100.0	100.0	100.0	100.0

MAY

PERIOD: (PRIMARY) 1947-1976
(OVER-ALL) 1874-1976

AREA 0024 CHATHAM ISLAND
43.9S 176.9W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS) 1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00&03	.0	.0	24.0	52.0	20.0	4.0	.0	17.0	100.0	25
06&09	.0	.0	22.7	54.5	22.7	.0	.0	16.4	100.0	22
12&15	.0	12.1	33.3	27.3	27.3	.0	.0	13.7	100.0	33
18&21	.0	.0	31.3	50.0	18.8	.0	.0	15.0	100.0	16
TOT	0	4	27	42	22	1	0	15.4		96
PCT	.0	4.2	28.1	43.8	22.9	1.0	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	.0	1.3	2.6	1.8		6.3
NE	.0	.0	3.9	3.5		6.9
E	.0	.0	7.0	5.3		7.2
SE	.0	.4	4.4	1.8		6.6
S	.9	3.1	14.0	12.7		6.7
SW	.9	2.2	1.3	4.4		6.0
W	3.5	4.4	3.1	8.8		5.2
NW	3.5	.9	.4	3.9		4.5
VAR	.0	.0	.0	.0		.0
CALM	.0	.0	.0	.0		.0
TOT OBS	5	7	21	24	57	6.2
TOT PCT	8.8	12.3	36.8	42.1	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT,NH >4/8) AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

WND DIR	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	TOTAL OBS
N	.0	.0	.0	.0	.0	1.8	.0	.0	.0	.0	3.9	
NE	.0	.0	.0	1.8	1.8	.0	.0	.0	.0	.0	3.9	
E	.0	.0	.0	1.8	3.5	7.0	.0	.0	.0	.0	.0	
SE	.0	.0	.0	.0	.0	4.4	.0	.0	.0	.0	2.2	
S	1.8	.0	1.3	3.5	6.1	43.2	.9	.0	.0	.0	3.9	
SW	.0	.0	.4	.0	4.4	.0	.9	.0	.0	.0	3.1	
W	.0	.0	.0	.0	8.3	1.8	.0	.0	.0	.0	9.6	
NW	.0	.0	.0	1.8	2.2	.0	.0	.0	.0	.0	4.8	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT OBS	1	0	1	5	15	16	1	0	0	0	18	57
TOT PCT	1.8	.0	1.8	8.8	26.3	28.1	1.6	.0	.0	.0	31.6	100.0

TABLE 7

CUMULATIVE PCT FREQ OF *SIMULTANEOUS OCCURRENCE* OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) * OR >10	* OR >5	* OR >2	* OR >1	* OR >1/2	* OR >1/4	* OR >50YD	* OR >0
* OR >6500	.0	.0	.0	.0	.0	.0	.0	.0
* OR >3000	.0	.0	.0	.0	.0	.0	.0	.0
* OR >3500	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
* OR >2000	29.8	29.8	29.8	29.8	29.8	29.8	29.8	29.8
* OR >1000	50.9	56.1	56.1	56.1	56.1	56.1	56.1	56.1
* OR >600	56.1	64.9	64.9	64.9	64.9	64.9	64.9	64.9
* OR >300	57.9	66.7	66.7	66.7	66.7	66.7	66.7	66.7
* OR >150	57.9	66.7	66.7	66.7	66.7	66.7	66.7	66.7
* OR > 0	57.9	66.7	66.7	66.7	68.4	68.4	68.4	68.4
TOTAL	33	38	38	38	39	39	39	39

TOTAL NUMBER OF OBS: 57 PCT FREQ NH <5/8: 31.6

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8 OBSCD	TOTAL OBS
5.2	1.7	3.4	12.1	10.3	3.4	6.9	19.0	36.2	1.7	58

PERIOD: (PRIMARY) 1957-1976
(OVER-ALL) 1874-1976

AREA 0024 CHATHAM ISLAND
43.9S 176.9W

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.7	.7	.0	2.8	.0	.0	.0	.0	.0	4.2	
	TOT %	.0	.7	.7	.0	2.8	.0	.0	.0	.0	.0	4.2	
1<2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
5<10	PCP	.0	.0	.0	.0	1.4	2.8	1.4	.0	.0	.0	5.6	
	NO PCP	1.7	.7	.0	.0	1.4	7.3	3.5	3.5	.0	.0	18.1	
	TOT %	1.7	.7	.0	.0	2.8	10.1	4.9	3.5	.0	.0	23.6	
10+	PCP	.0	.0	.0	.0	.0	.3	1.0	.0	.0	.0	1.4	
	NO PCP	4.2	5.6	9.7	6.6	21.5	6.3	11.1	4.9	.0	.0	70.8	
	TOT %	4.2	5.6	9.7	6.6	21.5	6.6	12.2	4.9	.0	.0	72.2	
	TOT OBS												72
	TOT PCT	5.9	8.0	10.4	6.6	27.1	16.7	17.0	8.3	.0	.0	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	0-3	.0	.0	.0	.0	1.4	.0	.0	.0	.0	.0	1.4	
	4-10	.0	.7	.7	.0	.0	.0	.0	.0	.0		1.4	
	11-21	.0	.0	.0	.0	1.4	.0	.0	.0	.0		1.4	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.7	.7	.0	2.8	.0	.0	.0	.0	.0	4.2	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
5<10	0-3	.7	.7	.0	.0	.0	.0	.0	.0	.0	.0	1.4	
	4-10	.0	.0	.0	.0	1.4	.0	.0	.0	.0		1.4	
	11-21	1.0	.0	.0	.0	1.4	1.4	1.4	3.1	.0		8.3	
	22+	.0	.0	.0	.0	.0	8.7	3.5	.3	.0		12.5	
	TOT %	1.7	.7	.0	.0	2.8	10.1	4.9	3.5	.0	.0	23.6	
10+	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	3.1	2.1	1.4	.7	10.1	2.1	3.8	3.1	.0		26.4	
	11-21	.0	4.2	5.6	4.5	7.3	1.4	7.3	1.7	.0		31.9	
	22+	1.0	.5	2.8	1.4	4.2	3.1	1.0	.0	.0		13.9	
	TOT %	4.2	6.6	9.7	6.6	21.5	6.6	12.2	4.9	.0	.0	72.2	
	TOT OBS												72
	TOT PCT	5.9	8.0	10.4	6.6	27.1	16.7	17.0	8.3	.0	.0	100.0	

MAY

PERIOD: (PRIMARY) 1947-1970
(OVER-ALL) 1874-1970

AREA 0024 CHATHAM ISLAND
43.9S 176.9W

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET,NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00&03	.0	.0	.0	.0	8.3	41.7	8.3	.0	.0	.0	58.3	41.7	12
06&09	.0	.0	.0	11.1	16.7	33.3	.0	.0	.0	.0	61.1	38.9	18
12&15	5.9	.0	.0	17.6	29.4	11.8	.0	.0	.0	.0	64.7	35.3	17
18&21	.0	.0	9.1	.0	54.5	27.3	.0	.0	.0	.0	90.9	9.1	11
TOT	1	0	1	5	15	16	1	0	0	0	39	19	58
PCT	1.7	.0	1.7	8.6	25.9	27.6	1.7	.0	.0	.0	67.2	32.8	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00&03	.0	.0	.0	.0	23.5	76.5	17
06&09	.0	.0	.0	.0	16.7	83.3	18
12&15	.0	12.0	.0	.0	36.0	52.0	25
18&21	.0	.0	.0	.0	8.3	91.7	12
TOT	0	3	0	0	17	52	72
PCT	.0	4.2	.0	.0	23.6	72.2	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET,NH >4/8),BY HOUR

HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL OBS
00&03	.0	.0	.0	58.3	41.7	12
06&09	.0	.0	11.1	50.0	38.9	18
12&15	6.3	6.3	25.0	43.8	31.3	16
18&21	.0	9.1	9.1	81.8	9.1	11
TOT	1	2	7	32	18	57
PCT	1.8	3.5	12.3	56.1	31.6	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
55/59	.0	.0	.0	.0	1.2	8.1	18.6	7.0	30	34.9
50/54	.0	.0	.0	1.2	3.5	15.1	16.3	16.3	45	52.3
45/49	.0	.0	.0	1.2	1.2	7.0	2.3	1.2	11	12.8
TOTAL	0	0	0	2	5	26	32	21	86	100.0
PCT	.0	.0	.0	2.3	5.8	30.2	37.2	24.4		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

	N	NE	E	SE	S	SW	W	NW	VAR	CALM
	4.1	6.4	4.7	1.2	1.2	2.9	11.6	2.9	.0	.0
	2.0	1.7	4.1	3.5	21.5	7.0	8.7	3.8	.0	.0
	.9	.0	.0	.0	4.1	7.6	.0	.3	.0	.0
	7.0	8.1	8.7	4.7	26.7	17.4	20.3	7.0	.0	.0

TABLE 15

MEANS,EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00&03	59	58	58	55	46	46	46	53.7	25
06&09	59	58	58	53	50	46	46	53.1	21
12&15	59	58	57	52	48	45	45	52.5	32
18&21	58	57	57	53	45	45	45	53.1	15
TOT	59	58	58	53	46	45	45	53.0	93

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00&03	.0	.0	5.0	45.0	45.0	5.0	80	20
06&09	.0	.0	4.8	33.3	52.4	9.5	82	21
12&15	.0	3.3	6.7	20.0	20.0	50.0	86	30
18&21	.0	6.7	6.7	26.7	40.0	20.0	82	15
TOT	0	2	5	26	32	21	83	86

PERIOD: (PRIMARY) 1947-1976
(OVER-ALL) 1874-1976

AREA 0024 CHATHAM ISLAND
43.9S 176.9W

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	45 48	49 52	53 56	57 60	TOT	W FOG	WO FOG
4	.0	.0	.0	1.6	2	.0	3.2
2	.0	.0	4.9	1.6	4	.0	6.6
1	.0	3.3	3.3	4.9	7	3.3	8.2
0	.0	3.3	1.6	1.6	4	1.6	4.9
-1	.0	3.3	6.6	.0	6	.0	9.8
-2	.0	8.2	8.2	.0	10	.0	16.4
-3	.0	3.3	9.8	1.6	9	.0	14.8
-4	.0	6.6	1.6	.0	5	.0	8.2
-5	3.3	3.3	4.9	.0	7	.0	11.5
-6	1.6	3.3	.0	.0	3	.0	4.9
-7/-8	3.3	1.6	.0	.0	3	.0	4.9
-9/-10	1.6	.0	.0	.0	1	.0	1.6
TOTAL	6	22	25	8	61	3	58
PCT	9.8	36.1	41.0	13.1	100.0	4.9	95.1

PERIOD: (OVER-ALL) 1963-1976

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	1.7	1.7	.0	.0	.0	3.4
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	1.7	.0	.0	1.7
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.6	1.7	1.7	1.7	.0	.0	5.1

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	2.3	.0	.0	.0	2.3
3-4	.0	.0	2.3	.0	.0	.0	2.3
5-6	.0	2.3	.0	.6	.0	.0	2.8
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	2.3	4.5	4.5	.0	.0	11.4

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	2.3	.0	.0	.0	2.3
5-6	.0	2.3	.0	2.3	.0	.0	4.5
7	.0	.0	2.3	2.3	.0	.0	4.5
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	2.3	4.5	4.5	.0	.0	11.4

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	5.1	.0	.0	.0	5.1
7	.0	1.1	.0	2.3	.0	.0	3.4
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	1.1	5.1	2.3	.0	.0	8.5

PERIOD: (OVER-ALL) 1963-1976

MAY

AREA 0024 CHATHAM ISLAND
43.9S 176.9W

TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

	S							SW						
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	6.8	.0	.0	.0	.0	6.8	.0	2.8	.0	.0	.0	.0	2.8
3-4	.0	6.3	.0	1.7	.0	.0	8.0	.0	.6	.0	.6	.0	.0	1.1
5-6	.0	2.3	10.8	.0	.0	.0	13.1	.0	.0	.0	2.8	.0	.0	2.8
7	.0	3.4	.0	.0	.0	.0	3.4	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	2.3	4.0	.0	.0	6.3	.0	.0	.0	.6	.0	.0	.6
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	.0	.0	.6
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	18.8	13.1	5.7	.0	.0	37.5	.0	3.4	.0	4.5	.0	.0	8.0

	W							NW							TOTAL
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	PCT
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1-2	.0	6.3	.0	.0	.0	.0	6.3	.0	5.1	.6	.0	.0	.0	5.7	
3-4	.0	.0	2.3	.0	.0	.0	2.3	.0	.0	.0	.0	.0	.0	.0	
5-6	.0	.0	.0	3.4	.0	.0	3.4	.0	.0	.0	.6	.0	.0	.6	
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	1.7	.0	.0	.0	1.7	.0	.0	.0	.6	.0	.0	.6	
10-11	.0	.0	.0	1.7	.0	.0	1.7	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.0	6.3	4.0	5.1	.0	.0	15.3	.0	5.1	1.1	.6	.0	.0	6.8	100.0

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	.0	.0	.0	.0	.0	.0	.0	
1-2	.0	22.7	4.5	.0	.0	.0	27.3	
3-4	.0	6.8	6.8	2.3	.0	.0	15.9	
5-6	.0	6.8	15.9	11.4	.0	.0	34.1	
7	.0	4.5	2.3	4.5	.0	.0	11.4	
8-9	.0	.0	4.5	4.5	.0	.0	9.1	
10-11	.0	.0	.0	2.3	.0	.0	2.3	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
								44
TOT PCT	.0	40.9	34.1	25.0	.0	.0	100.0	

PERIOD: (OVER-ALL) 1953-1976

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	.0	.0	4.3	8.5	.0	4.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	8	5
6-7	.0	.0	.0	14.9	8.5	8.5	8.5	.0	.0	.0	.0	.0	4.3	.0	.0	.0	.0	.0	.0	21	9
8-9	.0	.0	.0	.0	6.4	4.3	2.1	.0	2.1	2.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	8	10
10-11	.0	.0	.0	0.4	4.3	.0	.0	.0	.0	2.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	6	8
12-13	.0	.0	.0	.0	4.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2	7
>13	.0	.0	.0	2.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	5
INDET	.0	.0	.0	.0	2.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	7
TOTAL	0	0	2	15	12	8	5	0	1	2	0	0	2	0	0	0	0	0	0	47	8
PCT	.0	.0	4.3	31.9	25.5	17.0	10.6	.0	2.1	4.3	.0	.0	4.3	.0	.0	.0	.0	.0	.0	100.0	

JUNE

PERIOD: (PRIMARY) 1968-1977
(OVER-ALL) 1875-1977

AREA 0024 CHATHAM ISLAND
44.1S 177.2W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA				
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	16.7	.0	.0	.0	83.3
NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
E	31.3	.0	25.0	.0	.0	.0	.0	56.3	.0	.0	18.8	.0	.0	.0	25.0
SE	35.0	30.0	10.0	.0	.0	.0	.0	65.0	.0	.0	25.0	.0	.0	.0	10.0
S	8.3	16.7	16.7	.0	.0	.0	.0	41.7	.0	.0	.0	.0	.0	.0	58.3
SW	11.1	.0	5.6	.0	.0	.0	.0	16.7	.0	.0	11.1	.0	.0	.0	72.2
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.5	.0	.0	.0	95.5
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
TOT PCT	10.6	6.4	8.5	.0	.0	.0	.0	25.5	.0	.0	8.5	.0	.0	.0	66.0
TOT OBS:	47														

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA				
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
00803	.0	5.6	11.1	.0	.0	.0	.0	16.7	.0	.0	22.2	.0	.0	.0	61.1
06609	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
12615	18.8	12.5	6.3	.0	.0	.0	.0	37.5	.0	.0	.0	.0	.0	.0	62.5
18621	22.2	.0	11.1	.0	.0	.0	.0	33.3	.0	.0	.0	.0	.0	.0	66.7
TOT PCT	9.8	3.9	7.8	.0	.0	.0	.0	23.5	.0	.0	7.8	.0	.0	.0	68.6
TOT OBS:	51														

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	WIND SPEED (KNOTS)									HOUR (GMT)							
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	.0	1.6	4.5	.0	.0	.0		6.1	12.7	12.0	.0	11.1	.0	.0	.0	.0	.0
NE	.0	1.6	.4	.0	.0	.0		2.0	6.8	1.1	.0	11.1	.0	.0	.0	.0	.0
E	.0	5.3	2.5	3.3	.0	.0		11.1	16.7	15.2	.0	.0	.0	2.8	.0	25.0	.0
SE	.8	2.0	2.0	.0	4.9	.0		9.8	23.8	9.8	.0	.0	.0	19.4	.0	2.3	.0
S	.8	9.0	7.0	4.1	1.6	.0		22.5	15.6	23.9	.0	16.7	.0	26.4	.0	18.2	.0
SW	.0	6.6	11.1	2.9	3.3	.0		23.8	17.0	28.3	.0	27.8	.0	12.5	.0	29.5	.0
W	.0	1.6	.0	2.9	.0	.0		4.5	18.9	.0	.0	.0	.0	5.6	.0	15.9	.0
NW	.0	6.6	10.2	1.6	.0	.0		18.4	11.7	9.8	.0	33.3	.0	27.8	.0	9.1	.0
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	1.6							1.6	.0	.0	.0	.0	.0	5.6	.0	.0	.0
TOT OBS	2	21	23	9	6	0	61		15.7	23	0	9	0	18	0	11	0
TOT PCT	3.3	34.4	37.7	14.8	9.8	.0		100.0		100.0	.0	100.0	.0	100.0	.0	100.0	.0

TABLE 3A

	WIND SPEED (KNOTS)								HOUR (GMT)			
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	06 09	12 15	18 21
N	.0	6.1	.0	.0	.0		6.1	12.7	12.0	11.1	.0	.0
NE	1.6	.0	.4	.0	.0		2.0	6.8	1.1	11.1	.0	.0
E	.8	4.5	2.5	3.3	.0		11.1	16.7	15.2	.0	2.8	25.0
SE	1.6	1.2	2.0	4.9	.0		9.8	23.8	9.8	.0	19.4	2.3
S	5.7	6.1	6.6	4.1	.0		22.5	15.6	23.9	16.7	26.4	18.2
SW	1.6	16.0	2.0	2.5	1.6		24.8	17.0	28.3	27.8	12.5	29.5
W	.0	1.6	2.9	.0	.0		4.5	18.9	.0	.0	5.6	15.9
NW	6.6	10.2	1.6	.0	.0		18.4	11.7	9.8	33.3	27.8	9.1
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	1.6						1.6	.0	.0	.0	5.6	.0
TOT OBS	12	28	11	9	1	61		15.7	23	9	18	11
TOT PCT	19.7	45.9	18.0	14.8	1.6		100.0		100.0	100.0	100.0	100.0

JUNE

PERIOD: (PRIMARY) 1908-1977
(OVER-ALL) 1875-1977

AREA 0024 CHATHAM ISLAND
44.1S 177.2W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS) 1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00603	.0	.0	26.1	39.1	21.7	13.0	.0	18.5	100.0	23
06609	.0	.0	33.3	55.6	11.1	.0	.0	13.0	100.0	9
12615	5.6	5.6	33.3	38.9	11.1	5.6	.0	13.5	100.0	18
18621	.0	.0	54.5	18.2	9.1	18.2	.0	15.5	100.0	11
TOT	1	1	21	23	9	6	0	15.7		61
PCT	1.6	1.6	34.4	37.7	14.8	9.8	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	.0	.0	4.2	.0		5.0
NE	.0	.0	4.2	.0		8.0
E	.0	.0	3.1	7.3		7.7
SE	.0	.0	1.0	3.1		7.7
S	.0	3.1	19.8	2.1		5.8
SW	.0	9.4	9.4	4.2		5.5
W	.0	.0	.0	.0		.0
NW	16.7	.0	8.3	.0		2.5
VAR	.0	.0	.0	.0		.0
CALM	.0	.0	.0	4.2		8.0
TOT OBS	4	3	12	5	24	5.2
TOT PCT	16.7	12.5	50.0	20.8	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT,NH >4/8) AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

WND DIR	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	TOTAL OBS
N	.0	.0	.0	.0	4.2	.0	.0	.0	.0	.0	.0	
NE	.0	.0	.0	4.2	.0	.0	.0	.0	.0	.0	.0	
E	.0	.0	3.1	3.1	4.2	.0	.0	.0	.0	.0	.0	
SE	.0	.0	1.0	3.1	.0	.0	.0	.0	.0	.0	.0	
S	.0	.0	4.2	2.1	4.2	.0	4.2	.0	.0	.0	10.4	
SW	.0	.0	.0	4.2	4.2	.0	.0	.0	.0	.0	14.6	
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
NW	.0	.0	.0	4.2	4.2	.0	.0	.0	.0	.0	16.7	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.0	.0	4.2	.0	.0	.0	.0	.0	.0	.0	
TOT OBS	0	0	2	6	5	0	1	0	0	0	10	24
TOT PCT	.0	.0	8.3	25.0	20.8	.0	4.2	.0	.0	.0	41.7	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) = OR >10	= OR >5	= OR >2	= OR >1	= OR >1/2	= OR >1/4	= OR >50YD	= OR >0
= OR >6500	.0	.0	.0	.0	.0	.0	.0	.0
= OR >5000	.0	.0	.0	.0	.0	.0	.0	.0
= OR >3500	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8
= OR >2000	7.7	11.5	11.5	11.5	11.5	11.5	11.5	11.5
= OR >1000	15.4	30.8	30.8	30.8	30.8	30.8	30.8	30.8
= OR >600	30.8	50.0	50.0	50.0	50.0	53.8	53.8	53.8
= OR >300	30.8	57.7	57.7	57.7	57.7	61.5	61.5	61.5
= OR >150	30.8	57.7	57.7	57.7	57.7	61.5	61.5	61.5
= OR > 0	30.8	57.7	57.7	57.7	57.7	61.5	61.5	61.5
TOTAL	8	15	15	15	15	16	16	16

TOTAL NUMBER OF OBS: 26 PCT FREQ NH <5/8: 38.5

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8 OBSCD	TOTAL OBS
15.4	.0	7.7	3.8	11.5	15.4	15.4	19.2	11.5	.0	26

JUNE

PERIOD: (PRIMARY) 1908-1977
(OVER-ALL) 1875-1977

AREA 0024 CHATHAM ISLAND
44.1S 177.2W

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	1.1	.0	1.6	.5	.0	.0	.0	1.1	.0	.0	4.3	
	TOT %	1.1	.0	1.6	.5	.0	.0	.0	1.1	.0	.0	4.3	
1/2<1	PCP	.0	.0	.0	4.1	.0	.0	.0	.0	.0	.0	2.1	
	NO PCP	.0	.0	.0	2.1	.0	.0	.0	.0	.0	.0	2.1	
	TOT %	.0	.0	.0	4.3	.0	.0	.0	.0	.0	.0	4.3	
1<2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
5<10	PCP	.0	.0	4.8	4.8	10.6	3.2	.0	.0	.0	.0	23.4	
	NO PCP	2.1	.0	2.1	1.1	5.3	6.4	.0	6.4	.0	.0	23.4	
	TOT %	2.1	.0	6.9	5.9	16.0	9.6	.0	6.4	.0	.0	46.8	
10+	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	3.2	2.1	.0	.0	9.6	9.6	2.1	16.0	.0	2.1	44.7	
	TOT %	3.2	2.1	.0	.0	9.6	9.6	2.1	16.0	.0	2.1	44.7	
	TOT OBS												47
	TOT PCT	6.4	2.1	8.5	10.6	25.5	19.1	2.1	23.4	.0	2.1	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	1.6	.5	.0	.0	.0	.0	.0		2.1	
	11-21	1.1	.0	.0	.0	.0	.0	.0	1.1	.0		2.1	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	1.1	.0	1.6	.5	.0	.0	.0	1.1	.0	.0	4.3	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	4.3	.0	.0	.0	.0	.0		4.3	
	TOT %	.0	.0	.0	4.3	.0	.0	.0	.0	.0	.0	4.3	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
5<10	0-3	.0	.0	.0	1.1	1.1	.0	.0	.0	.0	.0	2.1	
	4-10	2.1	.0	3.2	2.1	4.3	3.2	.0	4.3	.0		19.1	
	11-21	.0	.0	1.6	2.7	5.3	3.2	.0	2.1	.0		14.9	
	22+	.0	.0	2.1	.0	5.3	3.2	.0	.0	.0		10.6	
	TOT %	2.1	.0	6.9	5.9	16.0	9.6	.0	6.4	.0	.0	46.8	
10+	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.1	2.1	
	4-10	.0	2.1	.0	.0	3.7	4.8	2.1	4.3	.0		17.0	
	11-21	3.2	.0	.0	.0	3.7	2.7	.0	9.6	.0		19.1	
	22+	.0	.0	.0	.0	2.1	2.1	.0	2.1	.0		6.4	
	TOT %	3.2	2.1	.0	.0	9.6	9.6	2.1	16.0	.0	2.1	44.7	
	TOT OBS												47
	TOT PCT	6.4	2.1	8.5	10.6	25.5	19.1	2.1	23.4	.0	2.1	100.0	

JUNE

PERIOD: (PRIMARY) 1908-1977
(OVER-ALL) 1875-1977

AREA 0024 CHATHAM ISLAND
44.1S 177.2W

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET,NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00&03	.0	.0	20.0	20.0	.0	20.0	.0	.0	.0	.0	60.0	40.0	5
06&09	.0	.0	.0	28.6	14.3	.0	.0	.0	.0	.0	42.9	57.1	7
12&15	.0	.0	.0	50.0	.0	.0	.0	.0	.0	.0	50.0	50.0	6
18&21	.0	.0	12.5	.0	50.0	12.5	12.5	.0	.0	.0	87.5	12.5	8
TOT	0	0	2	6	5	2	1	0	0	0	16	10	26
PCT	.0	.0	7.7	23.1	19.2	7.7	3.8	.0	.0	.0	61.5	38.5	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00&03	11.1	5.6	.0	.0	61.1	22.2	18
06&09	.0	.0	.0	.0	.0	100.0	8
12&15	.0	6.3	.0	.0	62.5	31.3	16
18&21	.0	.0	.0	.0	44.4	55.6	9
TOT	2	2	0	0	25	22	51
PCT	3.9	3.9	.0	.0	49.0	43.1	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET,NH >4/8),BY HOUR

HOUR (GMT)	<150 <50yD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL OBS
00&03	.0	40.0	40.0	20.0	40.0	5
06&09	.0	.0	28.6	14.3	57.1	7
12&15	.0	.0	50.0	.0	50.0	6
18&21	.0	12.5	12.5	75.0	12.5	8
TOT	0	3	8	8	10	26
PCT	.0	11.5	30.8	30.8	38.5	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
55/59	.0	.0	.0	.0	.0	5.0	2.5	2.5	4	10.0
50/54	.0	.0	.0	.0	2.5	7.5	15.0	25.0	20	50.0
45/49	.0	.0	.0	.0	2.5	20.0	2.5	12.5	15	37.5
40/44	.0	.0	.0	.0	.0	2.5	.0	.0	1	2.5
TOTAL	0	0	0	0	2	14	8	16	40	100.0
PCT	.0	.0	.0	.0	5.0	35.0	20.0	40.0		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
3.8	.0	.0	.0	.0	.0	.0	6.3	.0	.0
.0	2.5	8.8	5.0	10.6	11.3	4.4	5.0	.0	2.5
.0	.0	.0	.0	6.9	20.6	2.5	7.5	.0	.0
.0	.0	.0	1.3	1.3	.0	.0	.0	.0	.0
3.8	2.5	8.8	6.3	18.8	31.9	6.9	18.8	.0	2.5

TABLE 15

MEANS,EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00&03	59	58	58	51	47	45	45	51.3	24
06&09	57	56	56	51	45	45	45	51.5	8
12&15	56	55	55	50	43	43	43	49.7	18
18&21	54	53	53	48	45	45	45	49.5	11
TOT	59	53	57	51	45	43	43	50.5	61

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00&03	.0	.0	.0	30.8	30.8	38.5	85	13
06&09	.0	.0	14.3	42.9	28.6	14.3	79	7
12&15	.0	.0	8.3	50.0	8.3	33.3	83	12
18&21	.0	.0	.0	30.0	10.0	60.0	88	10
TOT	0	0	2	16	8	16	84	42

PERIOD: (PRIMARY) 1908-1977
(OVER-ALL) 1875-1977

AREA 0024 CHATHAM ISLAND
44.1S 177.2W

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	41 44	45 48	49 52	53 56	57 60	TOT	W FOG	WO FOG
5	.0	.0	2.4	.0	.0	1	.0	2.4
3	.0	.0	2.4	.0	2.4	2	.0	4.9
2	.0	.0	.0	9.8	.0	4	2.4	7.3
1	.0	.0	2.4	2.4	.0	2	2.4	2.4
0	.0	7.3	7.3	.0	.0	6	.0	14.6
-1	.0	2.4	7.3	4.9	.0	6	.0	14.6
-2	.0	4.9	7.3	2.4	.0	6	4.9	9.8
-3	2.4	2.4	2.4	2.4	.0	4	.0	9.8
-4	.0	2.4	7.3	.0	.0	4	.0	9.8
-5	.0	7.3	.0	.0	.0	3	.0	7.3
-6	2.4	2.4	.0	.0	.0	2	.0	4.9
-7/-8	.0	2.4	.0	.0	.0	1	.0	2.4
TOTAL	2	13	16	9	1	41	4	37
PCT	4.9	31.7	39.0	22.0	2.4	100.0	9.8	90.2

PERIOD: (OVER-ALL) 1963-1977

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	5.3	.0	.0	.0	5.3
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	5.3	.0	.0	.0	5.3

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	5.3	.0	.0	.0	.0	5.3
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	5.3	.0	.0	.0	.0	5.3

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	3.9	.0	.0	.0	.0	3.9
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	3.9	.0	.0	.0	3.9
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	3.9	3.9	.0	.0	.0	7.9

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	1.3	.0	.0	.0	.0	1.3
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	1.3	.0	.0	.0	1.3
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	1.3	1.3	.0	.0	.0	2.6

PERIOD: (OVER-ALL) 1963-1977 JUNE AREA 0024 CHATHAM ISLAND 44.1S 177.2W

TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

S

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	9.2	.0	.0	.0	.0	9.2
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	3.9	.0	.0	.0	3.9
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	5.3	.0	5.3
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	5.3	.0	.0	.0	5.3
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	9.2	9.2	.0	5.3	.0	23.7

SW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	6.6	.0	.0	.0	.0	6.6
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	6.6	.0	.0	.0	6.6
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	6.6	6.6	.0	.0	.0	13.2

W

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	5.3	.0	.0	.0	.0	5.3
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	5.3	.0	.0	.0	.0	5.3

NW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	.0	.0	.0	.0	.0	.0	.0	
1-2	.0	15.8	5.3	.0	.0	.0	21.1	
3-4	.0	.0	10.5	.0	.0	.0	10.5	
5-6	.0	.0	.0	.0	.0	.0	.0	
7	.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.0	15.8	15.8	.0	.0	.0	31.6	94.7

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	5.3	.0	.0	.0	.0	.0	5.3	
1-2	.0	42.1	5.3	.0	.0	.0	47.4	
3-4	.0	5.3	15.8	.0	.0	.0	21.1	
5-6	.0	.0	15.8	.0	.0	.0	15.8	
7	.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	.0	5.3	.0	5.3	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	5.3	.0	.0	.0	5.3	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
								19
TOT PCT	5.3	47.4	42.1	.0	5.3	.0	100.0	

PERIOD: (OVER-ALL) 1952-1977

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	.0	8.7	.0	8.7	4.3	.0	.0	4.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6	5
6-7	.0	.0	4.3	8.7	4.3	.0	.0	.0	4.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5	7
8-9	.0	.0	.0	4.3	4.3	8.7	4.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5	8
10-11	.0	.0	4.3	.0	4.3	8.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4	7
12-13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
>13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
INDET	.0	.0	.0	.0	13.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3	7
TOTAL	0	2	2	5	7	4	1	1	1	0	0	0	0	0	0	0	0	0	0	23	7
PCT	.0	8.7	8.7	21.7	30.4	17.4	4.3	4.3	4.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

JULY

PERIOD: (PRIMARY) 1951-1977
(OVER-ALL) 1879-1977

AREA 0024 CHATHAM ISLAND
43.8S 177.0W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

	PRECIPITATION TYPE									OTHER WEATHER PHENOMENA					
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
N	28.0	.0	.0	.0	.0	.0	.0	28.0	8.0	.0	.0	.0	.0	.0	.0	64.0
NE	17.9	5.1	10.3	.0	.0	.0	.0	23.1	.0	.0	.0	.0	.0	.0	.0	76.9
E	28.6	10.7	.0	.0	.0	.0	.0	39.3	.0	.0	.0	7.1	.0	.0	.0	53.6
SE	8.7	.0	.0	.0	.0	.0	.0	8.7	.0	.0	.0	.0	.0	.0	.0	91.3
S	.0	.0	8.7	.0	.0	.0	.0	8.7	.0	.0	.0	.0	.0	.0	.0	91.3
SW	8.9	.0	4.0	.0	4.0	.0	.0	16.8	1.0	4.0	4.0	.0	.0	.0	.0	78.2
W	7.0	.0	.0	.0	.0	.0	.0	7.0	7.0	.0	.0	.0	.0	.0	.0	86.0
NW	.0	.0	9.3	.0	.0	.0	.0	9.3	23.3	.0	9.3	.0	.0	.0	.0	58.1
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
TOT PCT	11.5	2.1	4.2	.0	1.0	.0	.0	17.7	4.2	1.0	2.1	1.0	.0	.0	.0	75.0
TOT OBS:	96															

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

	PRECIPITATION TYPE									OTHER WEATHER PHENOMENA					
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
00603	7.4	3.7	.0	.0	.0	.0	.0	11.1	3.7	.0	3.7	.0	.0	.0	.0	81.5
06609	10.0	.0	10.0	.0	.0	.0	.0	15.0	5.0	.0	5.0	5.0	.0	.0	.0	70.0
12615	15.4	3.8	.0	.0	3.8	.0	.0	23.1	3.8	3.8	.0	.0	.0	.0	.0	73.1
18621	11.5	.0	7.7	.0	.0	.0	.0	19.2	3.8	.0	.0	.0	.0	.0	.0	76.9
TOT PCT	11.1	2.0	4.0	.0	1.0	.0	.0	17.2	4.0	1.0	2.0	1.0	.0	.0	.0	75.8
TOT OBS:	99															

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	WIND SPEED (KNOTS)									HOUR (GMT)						
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	.0	5.4	3.1	.9	.0	.0		9.4	12.0	1.6	.0	7.3	.0	15.8	.0	13.0	.0
NE	.0	2.7	3.6	2.5	.0	.0		8.7	16.6	8.9	.0	12.5	.0	8.3	.0	5.6	.0
E	.0	4.0	3.8	6.0	.0	.0		13.8	18.6	15.3	.0	12.5	.0	14.2	.0	13.0	.0
SE	.9	.4	3.8	.4	.0	.0		5.6	11.9	8.9	.0	8.3	.0	1.7	.0	3.7	.0
S	.0	3.6	3.3	3.3	2.7	.0		12.9	20.5	8.1	.0	29.2	.0	10.0	.0	7.4	.0
SW	.0	9.4	7.4	5.8	2.5	.2		25.2	18.1	31.5	.0	9.4	.0	28.3	.0	28.7	.0
W	.9	4.7	2.5	.7	2.0	.7		11.4	18.3	13.7	.0	7.3	.0	15.0	.0	8.3	.0
NW	1.8	3.8	3.8	1.8	.0	.0		11.2	11.8	8.9	.0	9.4	.0	6.7	.0	20.4	.0
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	1.8							1.8	.0	3.2	.0	4.2	.0	.0	.0	.0	.0
TOT OBS	6	38	35	24	8	1	112		16.4	31	0	24	0	30	0	27	0
TOT PCT	5.4	33.9	31.3	21.4	7.1	.9		100.0		100.0	.0	100.0	.0	100.0	.0	100.0	.0

TABLE 3A

	WIND SPEED (KNOTS)								HOUR (GMT)			
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	06 09	12 15	18 21
N	3.6	2.5	2.9	.4	.0		9.4	12.0	1.6	7.3	15.8	13.0
NE	.9	3.1	4.5	.2	.0		8.7	16.6	8.9	12.5	8.3	5.6
E	.9	4.7	4.9	3.3	.0		13.8	18.6	15.3	12.5	14.2	13.0
SE	.9	4.2	.4	.0	.0		5.6	11.9	8.9	8.3	1.7	3.7
S	2.7	2.5	3.3	4.5	.0		12.9	20.5	8.1	29.2	10.0	7.4
SW	3.1	10.9	5.8	3.3	2.0		25.2	18.1	31.5	9.4	28.3	28.7
W	2.2	4.0	2.5	2.0	.7		11.4	18.3	13.7	7.3	15.0	8.3
NW	4.5	3.8	2.5	.4	.0		11.2	11.8	8.9	9.4	6.7	20.4
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	1.8						1.8	.0	3.2	4.2	.0	.0
TOT OBS	23	40	30	16	3	112		16.4	31	24	30	27
TOT PCT	20.5	35.7	26.8	14.3	2.7		100.0		100.0	100.0	100.0	100.0

JULY

PERIOD: (PRIMARY) 1951-1977
(OVER-ALL) 1879-1977

AREA 0024 CHATHAM ISLAND
43.8S 177.0W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS) 1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00&03	3.2	3.2	35.5	38.7	16.1	3.2	.0	14.7	100.0	31
06&09	4.2	4.2	29.2	29.2	20.8	12.5	.0	17.1	100.0	24
12&15	.0	.0	40.0	26.7	23.3	10.0	.0	17.3	100.0	30
18&21	.0	7.4	29.6	29.6	25.9	3.7	3.7	16.9	100.0	27
TOT	2	4	39	35	24	8	1	16.4		112
PCT	1.8	3.6	33.9	31.3	21.4	7.1	.9		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	.0	2.5	.0	2.2		5.3
NE	.0	3.3	4.3	4.3		5.6
E	.0	1.4	1.4	11.6		7.4
SE	.0	1.4	1.4	.0		4.5
S	1.4	2.9	1.1	5.8		5.7
SW	.0	4.3	10.5	12.3		6.3
W	.0	1.1	8.7	3.6		6.3
NW	1.4	1.8	4.3	3.6		5.6
VAR	.0	.0	.0	.0		.0
CALM	.0	.0	1.4	1.4		7.0
TOT OBS	2	13	23	31	69	6.2
TOT PCT	2.9	18.8	33.3	44.9	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT,NH >4/8) AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

WND DIR	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	TOTAL OBS
N	.0	.0	.7	.0	.0	1.4	.0	.0	.0	.0	2.5	
NE	.0	.0	.0	1.4	.0	4.0	.0	.4	.0	.0	6.2	
E	.0	.0	.0	.0	2.9	9.1	.0	1.1	.0	.0	1.4	
SE	.0	.0	.0	.0	.0	1.4	.0	.0	.0	.0	1.4	
S	.0	.0	.0	1.4	1.4	1.4	.0	.0	.0	.0	8.9	
SW	.0	.0	.4	7.6	2.9	6.9	1.4	.0	.0	.0	8.0	
W	.0	.0	2.5	1.1	.0	3.3	1.4	.0	.0	.0	5.1	
NW	.0	.0	.7	2.9	2.9	1.4	.0	.0	.0	.0	3.3	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.0	.0	.0	1.4	1.4	.0	.0	.0	.0	.0	
TOT OBS	0	0	3	10	8	21	2	1	0	0	24	69
TOT PCT	.0	.0	4.3	14.5	11.6	30.4	2.9	1.4	.0	.0	34.8	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) ▪ OR >10	▪ OR >5	▪ OR >2	▪ OR >1	▪ OR >1/2	▪ OR >1/4	▪ OR >5UYD	▪ OR >0
▪ OR >6500	.0	.0	.0	.0	.0	.0	.0	.0
▪ OR >5000	.0	1.4	1.4	1.4	1.4	1.4	1.4	1.4
▪ OR >3500	2.8	4.2	4.2	4.2	4.2	4.2	4.2	4.2
▪ OR >2000	26.4	31.9	33.3	33.3	33.3	33.3	33.3	33.3
▪ OR >1000	33.3	44.4	47.2	47.2	47.2	47.2	47.2	47.2
▪ OR >600	38.9	58.3	61.1	61.1	61.1	61.1	61.1	61.1
▪ OR >300	41.7	61.1	65.3	65.3	65.3	65.3	65.3	65.3
▪ OR >150	41.7	61.1	65.3	65.3	65.3	65.3	65.3	65.3
▪ OR > 0	41.7	61.1	65.3	65.3	65.3	65.3	65.3	65.3
TOTAL	30	44	47	47	47	47	47	47

TOTAL NUMBER OF OBS: 72 PCT FREQ NH <5/8: 34.7

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8 OBSCD	TOTAL OBS
1.3	1.3	3.8	11.5	15.4	9.0	12.8	2.6	42.3	.0	78

JULY

PERIOD: (PRIMARY) 1951-1977
(OVER-ALL) 1879-1977

AREA 0024 CHATHAM ISLAND
43.8S 177.0W

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	PCP	.0	.0	.0	.0	1.0	.0	.0	.0	.0	.0	1.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	1.0	.0	.0	.0	.0	.0	1.0	
2<5	PCP	.0	.0	1.0	.0	.0	.3	.8	.0	.0	.0	2.1	
	NO PCP	.5	.0	.0	.0	.0	.0	.0	.5	.0	.0	1.0	
	TOT %	.5	.0	1.0	.0	.0	.3	.8	.5	.0	.0	3.1	
5<10	PCP	.8	2.3	4.7	.5	.0	2.1	.0	1.0	.0	.0	11.5	
	NO PCP	1.0	.0	3.1	2.1	1.0	7.3	3.1	3.1	.0	.0	20.8	
	TOT %	1.8	2.3	7.8	2.6	1.0	9.4	3.1	4.2	.0	.0	32.3	
10+	PCP	1.0	.0	.0	.0	.0	2.1	.0	.0	.0	.0	3.1	
	NO PCP	3.1	7.8	5.7	3.4	9.9	14.6	7.3	6.5	.0	2.1	60.4	
	TOT %	4.2	7.8	5.7	3.4	9.9	16.7	7.3	6.5	.0	2.1	63.5	
	TOT OBS												96
	TOT PCT	6.5	10.2	14.6	6.0	12.0	26.3	11.2	11.2	.0	2.1	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	1.0	.0	.0	.0	.0		1.0	
	TOT %	.0	.0	.0	.0	1.0	.0	.0	.0	.0	.0	1.0	
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	1.0	.0	.0	.0	.0	.0	.0		1.0	
	22+	.5	.0	.0	.0	.0	.3	.8	.5	.0		2.1	
	TOT %	.5	.0	1.0	.0	.0	.3	.8	.5	.0	.0	3.1	
5<10	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	3.1	.0	.0	2.6	.5	2.1	.0		8.3	
	11-21	1.8	.8	.5	2.1	.0	2.1	1.0	2.1	.0		10.4	
	22+	.0	1.6	4.2	.5	1.0	4.7	1.6	.0	.0		13.5	
	TOT %	1.8	2.3	7.8	2.6	1.0	9.4	3.1	4.2	.0	.0	32.3	
10+	0-3	.0	.0	.0	1.0	.0	.0	1.0	2.1	.0	2.1	6.3	
	4-10	3.1	3.1	1.0	.0	2.1	6.3	3.9	1.3	.0		20.8	
	11-21	1.0	3.4	2.9	2.3	3.9	5.5	.8	2.1	.0		21.9	
	22+	.0	1.3	1.8	.0	3.9	4.9	1.6	1.0	.0		14.6	
	TOT %	4.2	7.8	5.7	3.4	9.9	16.7	7.3	6.5	.0	2.1	63.5	
	TOT OBS												96
	TOT PCT	6.5	10.2	14.6	6.0	12.0	26.3	11.2	11.2	.0	2.1	100.0	

JULY

PERIOD: (PRIMARY) 1951-1977
(OVER-ALL) 1879-1977

AREA 0024 CHATHAM ISLAND
43.8S 177.0W

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET,NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00&03	.0	.0	.0	11.8	5.9	29.4	.0	5.9	.0	.0	52.9	47.1	17
06&09	.0	.0	6.3	6.3	25.0	31.3	.0	.0	.0	.0	68.8	31.3	16
12&15	.0	.0	6.7	6.7	26.7	13.3	6.7	.0	.0	.0	60.0	40.0	15
18&21	.0	.0	4.0	24.0	4.0	36.0	4.0	.0	.0	.0	72.0	28.0	25
TOT	0	0	3	10	10	21	2	1	0	0	47	26	73
PCT	.0	.0	4.1	13.7	13.7	28.8	2.7	1.4	.0	.0	64.4	35.6	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00&03	.0	.0	.0	.0	55.6	44.4	27
06&09	.0	.0	5.0	.0	20.0	75.0	20
12&15	.0	.0	.0	3.8	34.6	61.5	26
18&21	.0	.0	.0	7.7	15.4	76.9	26
TOT	0	0	1	3	32	63	99
PCT	.0	.0	1.0	3.0	32.3	63.6	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET,NH >4/8),BY HOUR

HOUR (GMT)	<150 <30YD	<600 <1	<1000 <3	1000+ AND5+	NH <5/8 AND 5+	TOTAL OBS
00&03	.0	.0	12.5	43.8	43.8	16
06&09	.0	6.3	12.5	56.3	31.3	16
12&15	.0	6.7	20.0	40.0	40.0	15
18&21	.0	4.0	32.0	40.0	28.0	25
TOT	0	3	15	32	25	72
PCT	.0	4.2	20.8	44.4	34.7	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
55/59	.0	.0	.0	.0	1.8	.0	7.0	3.5	7	12.3
50/54	.0	.0	.0	5.3	10.5	1.8	7.0	3.5	16	28.1
45/49	.0	.0	.0	.0	5.3	7.0	24.6	21.1	33	57.9
40/44	.0	.0	.0	.0	.0	.0	.0	1.8	1	1.8
TOTAL	0	0	0	3	10	5	22	17	57	100.0
PCT	.0	.0	.0	5.3	17.5	8.8	38.6	29.8		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
6.1	.0	.0	.0	1.8	.4	1.3	2.6	.0	.0
4.4	9.2	1.8	.0	1.8	3.5	3.5	3.9	.0	.0
3.5	.0	3.5	3.9	10.1	21.5	8.3	7.0	.0	.0
.0	.0	.0	.0	1.8	.0	.0	.0	.0	.0
14.0	9.2	5.3	3.9	15.4	25.4	13.2	13.6	.0	.0

TABLE 15

MEANS,EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00&03	57	56	56	49	46	45	45	49.6	31
06&09	54	53	53	49	45	44	44	49.2	23
12&15	57	56	56	49	39	32	32	48.8	29
18&21	57	56	56	50	45	43	43	49.9	28
TOT	57	56	56	49	45	32	32	49.4	111

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00&03	.0	.0	28.6	.0	64.3	7.1	79	14
06&09	.0	6.7	13.3	13.3	26.7	40.0	84	15
12&15	.0	6.7	13.3	20.0	20.0	40.0	81	15
18&21	.0	5.9	23.5	11.8	35.3	23.5	80	17
TOT	0	3	12	7	22	17	81	61

PERIOD: (PRIMARY) 1951-1977
(OVER-ALL) 1879-1977

AREA 0024 CHATHAM IS.AND
43.8S 177.0W

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	37 40	41 44	45 48	49 52	53 56	57 60	TOT	W FOG	WO FOG
14/16	.0	.0	.0	.0	.0	6.0	5	.0	6.0
11/13	.0	.0	.0	.0	.0	1.2	1	.0	1.2
7/8	.0	.0	.0	.0	1.2	.0	1	.0	1.2
4	.0	.0	.0	.0	.0	1.2	1	.0	1.2
3	.0	.0	.0	.0	3.6	.0	3	.0	3.6
2	.0	.0	.0	.0	1.2	.0	1	.0	1.2
1	.0	.0	.0	2.4	7.1	1.2	9	.0	10.7
0	.0	.0	3.6	.0	4.8	.0	7	1.2	7.1
-1	.0	.0	2.4	4.8	1.2	.0	7	.0	8.3
-2	.0	.0	4.8	11.9	.0	.0	14	.0	16.7
-3	.0	.0	4.8	9.5	.0	.0	12	.0	14.3
-4	.0	.0	1.2	8.3	1.2	.0	9	.0	10.7
-5	.0	.0	6.0	.0	.0	.0	5	.0	6.0
-6	.0	.0	3.6	1.2	.0	.0	4	.0	4.8
-7/-8	.0	.0	1.2	.0	.0	.0	1	.0	1.2
-9/-10	1.2	1.2	1.2	.0	.0	.0	3	.0	3.6
-11/-13	.0	1.2	.0	.0	.0	.0	1	.0	1.2
TOTAL	1		24		17			1	83
		2		32		8	84		
PCT	1.2	2.4	28.6	38.0	20.2	9.6	100.0	1.2	98.8

PERIOD: (OVER-ALL) 1963-1977

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	1.4	.0	.0	.0	.0	1.4
3-4	.0	.0	2.5	.0	.0	.0	2.5
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	1.4	2.5	.0	.0	.0	3.9

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	1.4	2.9	.0	.0	.0	4.3
3-4	.0	.0	.4	.0	.0	.0	.4
5-6	.0	1.4	1.8	1.4	.0	.0	4.6
7	.0	1.4	.0	.0	.0	.0	1.4
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.4	.0	.0	.4
12	.0	.0	.0	1.8	.0	.0	1.8
13-16	.0	.0	.0	.4	.0	.0	.4
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	4.3	5.0	3.9	.0	.0	13.2

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	1.4	.0	.0	.0	1.4
3-4	.0	2.9	.0	.0	.0	.0	2.9
5-6	.0	1.4	2.5	.0	.0	.0	3.9
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	1.4	.0	.0	1.4
10-11	.0	.0	.0	1.1	.0	.0	1.1
12	.0	.0	1.4	1.1	.0	.0	2.5
13-16	.0	.0	.0	2.5	.0	.0	2.5
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	4.3	5.4	6.1	.0	.0	15.7

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	1.4	.0	.0	.0	.0	.0	1.4
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	1.4	.0	.0	.0	1.4
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.4	.0	1.4	.0	.0	.0	2.9

PERIOD: (OVER-ALL) 1963-1977

JULY

AREA 0024 CHATHAM ISLAND
43.8S 177.0W

TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

S

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	1.4	.0	.0	.0	.0	1.4
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	1.4	.0	.0	.0	1.4
7	.0	.0	.0	.0	1.4	.0	1.4
8-9	.0	.0	2.9	1.4	.0	.0	4.3
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	1.4	.0	1.4
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	1.1	.0	.0	1.1
20-22	.0	.0	.0	1.4	1.4	.0	2.9
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	1.4	4.3	3.9	4.3	.0	13.9

SW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	5.7	1.4	.0	.0	.0	7.1
3-4	.0	.0	3.2	.0	.0	.0	3.2
5-6	.0	.0	1.4	1.4	.0	.0	2.9
7	.0	.0	1.4	1.4	.0	.0	2.9
8-9	.0	.0	1.4	.0	.0	.0	1.4
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	2.9	.4	.4	3.6
13-16	.0	.0	.0	1.8	.7	.0	2.5
17-19	.0	.0	.0	.4	.0	.0	.4
20-22	.0	.0	.0	.0	1.4	.0	1.4
23-25	.0	.0	.0	1.4	.0	.0	1.4
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	2.9	.4	4.3	1.4	.0	.0	8.9

W

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	1.4	.0	.0	.0	.0	.0	1.4
1-2	.0	2.5	.0	.0	.0	.0	2.5
3-4	.0	.0	1.1	.0	.0	.0	1.1
5-6	.0	1.4	.0	.0	.0	.0	1.4
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	1.1	1.1	2.1
13-16	.0	.0	.0	1.1	2.1	.0	3.2
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.4	3.9	1.1	1.1	3.2	1.1	11.8

NW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	1.4	.0	.0	.0	.0	.0	1.4	
1-2	1.4	.4	.0	.0	.0	.0	1.8	
3-4	.0	.0	.0	.0	.0	.0	.0	
5-6	.0	.0	4.3	.0	.0	.0	4.3	
7	.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	1.4	.0	.0	1.4	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	2.9	.4	4.3	1.4	.0	.0	8.9	97.1

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	5.7	.0	.0	.0	.0	.0	5.7	
1-2	1.4	12.9	5.7	.0	.0	.0	20.0	
3-4	1.4	2.9	7.1	.0	.0	.0	11.4	
5-6	.0	4.3	11.4	2.9	.0	.0	18.6	
7	.0	1.4	2.9	1.4	1.4	.0	7.1	
8-9	.0	.0	4.3	4.3	.0	.0	8.6	
10-11	.0	.0	.0	1.4	.0	.0	1.4	
12	.0	.0	1.4	5.7	2.9	1.4	11.4	
13-16	.0	.0	.0	5.7	2.9	.0	8.6	
17-19	.0	.0	.0	1.4	.0	.0	1.4	
20-22	.0	.0	.0	1.4	2.9	.0	4.3	
23-25	.0	.0	.0	1.4	.0	.0	1.4	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	8.6	21.4	32.9	25.7	10.0	1.4	100.0	70

PERIOD: (OVER-ALL) 1949-1977

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	.0	6.6	6.6	5.3	3.9	1.3	.0	.0	2.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	20	5
6-7	.0	1.3	1.3	6.6	6.6	11.8	1.3	.0	1.3	1.3	1.3	.0	.0	.0	.0	.0	.0	.0	.0	25	8
8-9	.0	.0	1.3	1.3	2.6	1.3	2.6	7.9	2.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	15	9
10-11	.0	.0	.0	.0	.0	.0	.0	.0	3.9	.0	3.9	1.3	.0	.0	.0	.0	.0	.0	.0	7	18
12-13	.0	.0	.0	.0	.0	.0	.0	.0	1.3	1.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	2	15
>13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.9	.0	1.3	.0	.0	.0	.0	.0	.0	4	23
INDET	.0	.0	.0	1.3	.0	2.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3	7
TOTAL	0	6	7	11	10	13	3	6	9	2	7	1	1	0	0	0	0	0	0	76	9
PCT	.0	7.9	9.2	14.5	13.2	17.1	3.9	7.9	11.8	2.6	9.2	1.3	1.3	.0	.0	.0	.0	.0	.0	100.0	

AUGUST

PERIOD: (PRIMARY) 1959-1977
(OVER-ALL) 1879-1977

AREA 0024 CHATHAM ISLAND
43.7S 177.1W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
NE	3.2	.0	.0	.0	.0	.0	.0	3.2	.0	.0	.0	.0	.0	.0	.0	96.8
E	14.9	5.4	16.2	.0	.0	.0	.0	36.5	.0	.0	.0	.0	.0	.0	.0	63.5
SE	15.1	.0	22.6	.0	.0	.0	.0	37.7	.0	.0	.0	.0	.0	.0	7.5	54.7
S	20.4	.0	.0	.0	.0	.0	.0	20.4	.0	.0	.0	.0	.0	.0	.0	79.6
SW	10.6	.0	.0	.0	.0	.0	.0	10.6	4.3	.0	.0	.0	.0	.0	.0	85.1
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	10.8	.0	.0	.0	.0	89.2
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	9.3	.9	5.6	.0	.0	.0	.0	15.9	.9	.0	.9	.0	.0	.9	81.3	
TOT OBS:	107															

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
00603	11.1	3.7	.0	.0	.0	.0	.0	14.8	.0	.0	.0	.0	.0	3.7	81.5	
06609	8.7	.0	13.0	.0	.0	.0	.0	21.7	.0	.0	4.3	.0	.0	.0	73.9	
12615	6.3	.0	3.1	.0	.0	.0	.0	9.4	3.1	.0	.0	.0	.0	.0	87.5	
18621	15.6	.0	6.3	.0	.0	.0	.0	21.9	.0	.0	.0	.0	.0	.0	78.1	
TOT PCT	10.5	.9	5.3	.0	.0	.0	.0	16.7	.9	.0	.9	.0	.0	.9	80.7	
TOT OBS:	114															

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	WIND SPEED (KNOTS)									HOUR (GMT)							
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	.8	1.6	8.7	1.6	.0	.0		12.7	13.8	12.5	.0	8.7	35.0	20.8	.0	6.0	.0
NE	.0	.0	5.6	.2	.8	.0		6.7	19.1	11.7	.0	4.3	.0	3.9	.0	8.6	.0
E	.0	3.2	9.3	4.6	.0	.0		17.1	16.7	21.7	.0	26.1	.0	12.5	.0	16.4	.0
SE	.0	1.6	8.3	2.4	.0	.0		12.3	16.9	6.7	.0	5.4	.0	21.9	.0	17.2	.0
S	.0	3.8	4.2	2.6	.0	.0		10.7	16.8	17.5	.0	14.1	.0	6.3	.0	9.5	.0
SW	.0	2.8	9.3	7.1	1.6	.0		20.8	21.3	9.2	.0	28.3	20.0	22.7	50.0	18.1	100.0
W	.0	6.0	4.2	.0	.0	.0		10.3	10.6	11.7	100.0	4.3	20.0	8.6	50.0	8.6	.0
NW	.0	4.2	3.6	.0	.0	.0		7.9	11.0	5.8	.0	4.3	25.0	3.9	.0	15.5	.0
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	1.6							1.6	.0	3.3	.0	4.3	.0	.0	.0	.0	.0
TOT OBS	3	29	66	23	3	0	124		16.1	30	1	23	5	32	2	29	2
TOT PCT	2.4	23.4	53.2	18.5	2.4	.0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

	WIND SPEED (KNOTS)								HOUR (GMT)			
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	06 09	12 15	18 21
N	2.4	8.1	1.4	.8	.0		12.7	13.8	12.1	13.4	19.1	5.6
NE	.0	2.6	3.2	.8	.0		6.7	19.1	11.3	3.6	3.7	8.1
E	.8	6.5	9.9	.0	.0		17.1	16.7	21.0	21.4	11.8	15.3
SE	.8	5.0	4.8	1.6	.0		12.3	16.9	6.5	4.5	20.6	16.1
S	.0	5.8	2.2	2.6	.0		10.7	16.8	16.9	11.6	5.9	8.9
SW	.8	4.8	9.7	5.4	.0		20.8	21.3	8.9	26.8	24.3	23.4
W	3.2	4.8	2.2	.0	.0		10.3	10.6	14.5	7.1	11.0	8.1
NW	2.4	4.2	1.2	.0	.0		7.9	11.0	5.6	8.0	3.7	14.5
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	1.6						1.6	.0	3.2	3.6	.0	.0
TOT OBS	15	52	43	14	0	124		16.1	31	28	34	31
TOT PCT	12.1	41.9	34.7	11.3	.0		100.0		100.0	100.0	100.0	100.0

AUGUST

PERIOD: (PRIMARY) 1959-1977
(OVER-ALL) 1879-1977

AREA 0024 CHATHAM ISLAND
43.7S 177.1W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS) 1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00&03	3.2	.0	16.1	67.7	9.7	3.2	.0	16.7	100.0	31
06&09	3.6	.0	21.4	46.4	28.6	.0	.0	16.0	100.0	28
12&15	.0	2.9	26.5	50.0	20.6	.0	.0	15.4	100.0	34
18&21	.0	.0	29.0	48.4	16.1	6.5	.0	16.4	100.0	31
TOT	2	1	29	66	22	3	0	16.1		124
PCT	1.6	.8	23.4	53.2	18.5	2.4	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	1.9	1.3	1.3	3.5		5.3
NE	.3	3.8	1.3	3.2		5.6
E	.0	1.3	7.6	12.0		7.1
SE	1.3	.0	5.1	5.1		6.4
S	1.3	.0	5.4	6.6		6.5
SW	.0	2.5	12.7	4.7		6.1
W	6.3	1.3	3.2	.9		3.3
NW	.3	.0	4.1	1.9		6.6
VAR	.0	.0	.0	.0		.0
CALM	.0	.0	.0	.0		.0
TOT OBS	9	8	32	30	79	6.0
TOT PCT	11.4	10.1	40.5	38.0	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT,NH >4/8) AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

WND DIR	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	TOTAL OBS
N	.0	.0	.0	1.3	.0	1.3	.0	.0	.0	.0	5.4	
NE	.0	.3	.0	1.3	.0	1.3	.3	.0	.0	.0	5.4	
E	.0	.9	.0	.0	1.3	8.9	4.7	.0	.0	.0	5.1	
SE	.0	.0	.0	.0	2.5	3.8	3.8	.0	.0	.0	1.3	
S	.0	.0	.0	.0	3.2	8.9	.0	.0	.0	.0	1.3	
SW	.0	.0	.0	2.8	7.0	6.3	.0	.0	.0	.0	3.8	
W	.0	.0	.9	2.2	.9	.0	.0	.0	.0	.0	7.6	
NW	.0	.0	.3	.0	1.6	2.5	.0	.0	.0	.0	1.9	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT OBS	0	1	1	6	13	26	7	0	0	0	25	79
TOT PCT	.0	1.3	1.3	7.6	16.5	32.9	8.9	.0	.0	.0	31.6	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) * OR >10	* OR >5	* OR >2	* OR >1	* OR >1/2	* OR >1/4	* OR >50YD	* OR >0
* OR >6500	.0	.0	.0	.0	.0	.0	.0	.0
* OR >5000	.0	.0	.0	.0	.0	.0	.0	.0
* OR >3500	4.9	9.8	9.8	9.8	9.8	9.8	9.8	9.8
* OR >2000	31.7	40.2	40.2	40.2	40.2	40.2	40.2	40.2
* OR >1000	40.2	53.7	57.3	57.3	57.3	57.3	57.3	57.3
* OR >600	43.9	59.8	64.6	64.6	64.6	64.6	64.6	64.6
* OR >300	45.1	61.0	65.9	65.9	65.9	65.9	65.9	65.9
* OR >150	45.1	61.0	65.9	65.9	67.1	67.1	67.1	67.1
* OR > 0	45.1	61.0	65.9	65.9	67.1	67.1	67.1	67.1
TOTAL	37	50	54	54	55	55	55	55

TOTAL NUMBER OF OBS: 82 PCT FREQ NH <5/8: 32.9

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8 OBSCD	TOTAL OBS
6.1	3.0	8.1	6.1	9.1	11.1	12.1	12.1	32.3 .0	99

AUGUST

PERIOD: (PRIMARY) 1959-1977
(OVER-ALL) 1879-1977

AREA 0024 CHATHAM ISLAND
43.7S 177.1W

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	PCP	.0	.2	.7	.0	.0	.0	.0	.0	.0	.0	.9	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.2	.7	.0	.0	.0	.0	.0	.0	.0	.9	
1<2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	PCP	.0	.0	.9	.0	.7	.2	.0	.0	.0	.0	1.9	
	NO PCP	.0	.9	.0	.9	.0	.9	.0	.0	.0	.0	2.8	
	TOT %	.0	.9	.9	.9	.7	1.2	.0	.0	.0	.0	4.7	
5<10	PCP	.0	.0	2.8	2.8	.7	1.2	.0	.0	.0	.0	7.5	
	NO PCP	2.6	.9	.9	3.7	1.6	5.4	.5	2.1	.0	.0	17.8	
	TOT %	2.6	.9	3.7	6.5	2.3	6.5	.5	2.1	.0	.0	25.2	
10+	PCP	.0	.0	1.9	1.9	.9	.9	.0	.0	.0	.0	5.6	
	NO PCP	7.7	5.1	10.0	3.0	7.5	13.3	10.3	6.5	.0	.0	63.6	
	TOT %	7.7	5.1	11.9	4.9	8.4	14.3	10.3	6.5	.0	.0	69.2	
	TOT OBS												107
	TOT PCT	10.3	7.2	17.3	12.4	11.4	22.0	10.7	8.6	.0	.0	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.2	.7	.0	.0	.0	.0	.0	.0		.9	
	TOT %	.0	.2	.7	.0	.0	.0	.0	.0	.0	.0	.9	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.9	.0	.9	.0	.9	.0	.0	.0		2.8	
	22+	.0	.0	.9	.0	.7	.2	.0	.0	.0		1.9	
	TOT %	.0	.9	.9	.9	.7	1.2	.0	.0	.0	.0	4.7	
5<10	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.9	.9	.0	.9	.0		2.8	
	11-21	1.6	.0	2.8	3.7	.0	3.3	.5	1.2	.0		13.1	
	22+	.9	.9	.9	2.8	1.4	2.3	.0	.0	.0		9.3	
	TOT %	2.6	.9	3.7	6.5	2.3	6.5	.5	2.1	.0	.0	25.2	
10+	0-3	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9	
	4-10	.0	.0	3.7	1.9	2.6	1.2	6.3	4.0	.0		19.6	
	11-21	5.8	5.1	5.4	3.0	4.9	5.6	4.0	2.6	.0		36.4	
	22+	.9	.0	2.8	.0	.9	7.5	.0	.0	.0		12.1	
	TOT %	7.7	5.1	11.9	4.9	8.4	14.3	10.3	6.5	.0	.0	69.2	
	TOT OBS												107
	TOT PCT	10.3	7.2	17.3	12.4	11.4	22.0	10.7	8.6	.0	.0	100.0	

AUGUST

PERIOD: (PRIMARY) 1959-1977
(OVER-ALL) 1879-1977

AREA 0024 CHATHAM ISLAND
43.7S 177.1W

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET,NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00&03	.0	.0	.0	19.0	19.0	23.8	9.5	.0	.0	.0	71.4	28.6	21
06&09	.0	.0	.0	.0	16.7	44.4	11.1	.0	.0	.0	72.2	27.8	18
12&15	.0	.0	.0	4.5	9.1	36.4	4.5	.0	.0	.0	54.5	45.5	22
18&21	.0	3.7	3.7	3.7	18.5	18.5	11.1	.0	.0	.0	59.3	40.7	27
TOT	0	1	1	6	14	26	8	0	0	0	56	32	88
PCT	.0	1.1	1.1	6.8	15.9	29.5	9.1	.0	.0	.0	63.6	36.4	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00&03	.0	.0	.0	7.4	33.3	59.3	27
06&09	.0	.0	.0	.0	26.1	73.9	23
12&15	.0	.0	.0	3.1	40.6	56.3	32
18&21	.0	3.1	.0	6.3	18.8	71.9	32
TOT	0	1	0	5	34	74	114
PCT	.0	.9	.0	4.4	29.8	64.9	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET,NH >4/8),BY HOUR

HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL OBS
00&03	.0	.0	23.8	47.6	28.6	21
06&09	.0	.0	.0	70.6	29.4	17
12&15	.0	.0	10.5	52.6	36.8	19
18&21	.0	8.0	16.0	48.0	36.0	25
TOT	0	2	11	44	27	82
PCT	.0	2.4	13.4	53.7	32.9	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
55/59	.0	.0	.0	.0	1.8	1.8	3.5	.0	4	7.0
50/54	.0	.0	.0	.0	3.5	5.3	19.3	24.6	30	52.6
45/49	.0	.0	.0	1.8	3.5	5.3	1.8	26.3	22	38.6
40/44	.0	.0	.0	.0	1.8	.0	.0	.0	1	1.8
TOTAL	0	0	0	1	6	7	14	29	57	100.0
PCT	.0	.0	.0	1.8	10.5	12.3	24.6	50.9		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

	N	NE	E	SE	S	SW	W	NW	VAR	CALM
	3.5	.4	1.3	.0	.0	.0	.0	.0	.0	1.8
	9.2	6.1	1.3	3.5	.0	6.6	17.1	7.0	.0	1.8
	.0	.0	3.5	3.9	3.1	21.9	2.6	3.5	.0	.0
	.0	.0	.0	.0	.0	1.8	.0	.0	.0	.0
	12.7	6.6	6.1	7.5	3.1	30.3	19.7	10.5	.0	3.5

TABLE 15

MEANS,EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00&03	55	54	54	51	43	43	43	50.8	32
06&09	54	53	53	50	46	45	45	50.1	28
12&15	55	54	54	50	45	43	43	49.4	34
18&21	56	55	53	50	45	43	43	49.6	32
TOT	56	55	54	50	45	43	43	49.9	126

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00&03	.0	.0	.0	30.8	46.2	23.1	85	13
06&09	.0	.0	7.7	.0	23.1	69.2	91	13
12&15	.0	7.1	7.1	7.1	21.4	57.1	86	14
18&21	.0	.0	22.2	11.1	11.1	55.6	84	18
TOT	0	1	6	7	14	30	86	58

AUGUST

PERIOD: (PRIMARY) 1955-1977
(OVER-ALL) 1879-1977

AREA 0024 CHATHAM ISLAND
43.7S 177.1W

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	41 44	45 48	49 52	53 56	TOT	W FOG	WO FOG
7/8	.0	.0	1.1	1.1	2	.0	2.1
6	.0	.0	.0	1.1	1	.0	1.1
4	.0	.0	.0	1.1	1	.0	1.1
3	.0	.0	1.1	1.1	2	.0	2.2
2	.0	.0	1.1	1.1	2	.0	2.1
1	.0	.0	2.1	4.2	6	.0	6.3
0	.0	1.1	4.2	1.1	6	.0	6.3
-1	.0	1.1	7.4	4.2	12	1.1	11.6
-2	.0	1.1	11.6	1.1	13	.0	13.7
-3	1.1	5.3	9.5	.0	15	.0	15.8
-4	1.1	4.2	9.5	.0	14	.0	14.7
-5	.0	6.3	2.1	.0	8	.0	8.4
-6	.0	3.2	.0	.0	3	.0	3.2
-7/-8	1.1	6.3	.0	.0	7	.0	7.4
-9/-10	.0	1.1	.0	.0	1	.0	1.1
-11/-13	.0	2.1	.0	.0	2	.0	2.1
TOTAL	3	31	47	15	95	1	94
PCT	3.2	31.6	49.5	15.8	100.0	1.1	98.9

PERIOD: (OVER-ALL) 1963-1977

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	1.4	.0	1.4	.0	.0	.0	2.7
1-2	.0	.0	1.0	.0	.0	.0	1.0
3-4	.0	.0	1.0	.0	.0	.0	1.0
5-6	.0	.0	2.4	1.4	.0	.0	3.8
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.4	.0	5.8	1.4	.0	.0	8.6

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	2.7	.0	.0	.0	2.7
5-6	.0	.0	.3	.0	.0	.0	.3
7	.0	.0	.0	.3	.0	.0	.3
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.3	.0	.0	.3
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	3.4	.3	.0	.0	3.8

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	1.4	.0	.0	.0	.0	1.4
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	1.4	.0	.0	.0	1.4
5-6	.0	.0	2.7	.0	.0	.0	2.7
7	.0	.0	.0	1.0	.0	.0	1.0
8-9	.0	.0	1.4	4.1	.0	.0	5.5
10-11	.0	1.4	.0	.0	.0	.0	1.4
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	1.4	2.7	.0	.0	4.1
17-19	.0	.0	1.0	.0	.0	.0	1.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	2.7	7.9	7.9	.0	.0	18.5

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	2.7	.0	.0	.0	.0	2.7
1-2	.0	.0	2.7	.0	.0	.0	2.7
3-4	.0	.0	.3	.0	.0	.0	.3
5-6	.0	.0	4.1	1.4	.0	.0	5.5
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	2.7	7.2	1.4	.0	.0	11.3

PERIOD: (OVER-ALL) 1963-1977

AUGUST

AREA 0024 CHATHAM ISLAND
43.7S 177.1W

TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

S

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	1.4	.0	.0	.0	.0	1.4
3-4	.0	.0	1.0	.0	.0	.0	1.0
5-6	.0	1.0	1.0	.0	.0	.0	2.1
7	.0	1.4	2.4	.0	.0	.0	3.8
8-9	.0	.0	.0	1.4	.0	.0	1.4
10-11	.0	.0	1.4	.0	.0	.0	1.4
12	.0	.0	.0	3.1	.0	.0	3.1
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	3.8	5.8	4.5	.0	.0	14.0

SW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	2.7	.0	.0	.0	.0	2.7
1-2	.0	1.4	1.7	.0	.0	.0	3.1
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	1.7	1.4	.0	.0	3.4
7	.0	.0	3.1	.0	.0	.0	3.1
8-9	.0	.0	1.4	.0	.0	.0	1.4
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	2.4	1.4	.0	3.8
13-16	.0	.0	.0	2.7	1.4	.0	4.1
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	4.5	7.9	6.5	2.7	.0	21.6

W

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	1.4	.0	.0	.0	.0	1.4
1-2	.0	2.7	1.0	.0	.0	.0	3.8
3-4	.0	2.4	1.4	.0	.0	.0	3.8
5-6	.0	1.4	1.4	.0	.0	.0	2.7
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	7.9	3.8	.0	.0	.0	11.8

NW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	.0	.0	.0	.0	.0	.0	.0	
1-2	.0	5.5	1.7	.0	.0	.0	7.2	
3-4	.0	1.7	1.7	.0	.0	.0	3.4	
5-6	.0	.0	.0	.0	.0	.0	.0	
7	.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.0	7.2	3.4	.0	.0	.0	10.6	100.0

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	1.4	8.2	1.4	.0	.0	.0	11.0	
1-2	.0	11.0	8.2	.0	.0	.0	19.2	
3-4	.0	4.1	9.6	.0	.0	.0	13.7	
5-6	.0	2.7	13.7	4.1	.0	.0	20.5	
7	.0	1.4	5.5	1.4	.0	.0	8.2	
8-9	.0	.0	2.7	5.5	.0	.0	8.2	
10-11	.0	1.4	1.4	.0	.0	.0	2.7	
12	.0	.0	.0	5.5	1.4	.0	6.8	
13-16	.0	.0	1.4	5.5	1.4	.0	8.2	
17-19	.0	.0	1.4	.0	.0	.0	1.4	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	1.4	28.8	45.2	21.9	2.7	.0	100.0	73

PERIOD: (OVER-ALL) 1951-1977

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	.0	8.0	5.7	9.2	2.3	1.1	1.1	.0	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	25	5
6-7	.0	1.1	3.4	1.1	8.0	10.3	3.4	.0	6.9	1.1	1.1	.0	.0	.0	.0	.0	.0	.0	.0	34	9
8-9	.0	.0	.0	.0	6.9	1.1	2.3	2.3	3.4	.0	3.4	.0	.0	.0	.0	.0	.0	.0	.0	17	11
10-11	.0	.0	.0	.0	.0	.0	.0	1.1	.0	3.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	4	15
12-13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
>13	.0	.0	.0	.0	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	8
INDET	3.4	.0	1.1	.0	1.1	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6	3
TOTAL	3	8	9	9	16	12	9	3	9	5	4	0	0	0	0	0	0	0	0	87	8
PCT	3.4	9.2	10.3	10.3	18.4	13.8	10.3	3.4	10.3	5.7	4.6	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

SEPTEMBER

PERIOD: (PRIMARY) 1941-1977
(OVER-ALL) 1877-1977

AREA 0024 CHATHAM ISLAND
43.9S 176.7W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA				
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG	DUST SNOW	NO SIG WEA
N	4.3	.0	15.7	.0	.0	.0	.0	20.0	.0	.0	10.0	.0	.0		.0	70.0
NE	9.3	.0	39.5	.0	.0	.0	.0	48.8	9.3	.0	2.3	.0	.0		.0	39.5
E	.0	.0	23.4	.0	.0	.0	.0	23.4	.0	.0	.0	.0	.0		.0	76.6
SE	.0	.0	4.2	.0	.0	.0	.0	4.2	.0	.0	.0	.0	.0		.0	95.8
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	11.5	.0	.0		.0	88.5
SW	15.4	11.5	.0	.0	.0	.0	.0	26.9	.0	.0	1.9	.0	.0		.0	71.2
W	.0	8.0	.0	.0	.0	.0	.0	8.0	.0	.0	.0	.0	16.0		.0	76.0
NW	3.4	.0	.0	.0	.0	.0	.0	3.4	13.8	.0	13.8	.0	.0		.0	69.0
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	100.0
TOT PCT	4.9	2.4	12.2	.0	.0	.0	.0	19.5	2.4	.0	4.9	.0	1.2		.0	72.0
TOT OBS:	82															

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA				
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG	DUST SNOW	NO SIG WEA
00&03	.0	.0	9.1	.0	.0	.0	.0	9.1	4.5	.0	4.5	.0	.0		.0	81.8
06&09	9.1	.0	27.3	.0	.0	.0	.0	36.4	.0	.0	.0	.0	.0		.0	63.6
12&15	5.4	5.4	8.1	.0	.0	.0	.0	18.9	2.7	.0	8.1	.0	2.7		.0	67.6
18&21	7.7	.0	15.4	.0	.0	.0	.0	23.1	.0	.0	.0	.0	.0		.0	76.9
TOT PCT	4.8	2.4	12.0	.0	.0	.0	.0	19.3	2.4	.0	4.8	.0	1.2		.0	72.3
TOT OBS:	83															

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	WIND SPEED (KNOTS)									HOUR (GMT)						
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	.0	2.5	11.1	2.3	1.6	.0		17.6	17.4	11.0	.0	17.9	.0	22.2	.0	18.8	.0
NE	.0	.9	6.3	2.3	3.0	.0		12.5	21.2	17.6	.0	17.9	.0	9.1	.0	6.3	.0
E	.9	3.9	3.9	5.3	.0	.0		14.1	16.2	12.5	.0	14.3	.0	11.4	.0	25.0	.0
SE	.0	.7	7.9	2.3	.0	.0		10.9	17.4	16.2	.0	14.3	.0	7.4	.0	6.3	.0
S	.0	1.9	8.3	.7	.9	.0		11.8	14.9	13.2	.0	5.4	.0	12.5	.0	12.5	.0
SW	.0	1.4	4.9	6.5	.9	.0		13.7	23.0	14.7	.0	8.9	.0	14.2	.0	14.1	.0
W	.0	1.9	4.9	.9	.0	.0		7.6	15.6	4.4	.0	.0	.0	11.4	.0	10.9	.0
NW	.0	4.4	4.6	.0	.0	.0		9.0	12.0	10.3	.0	14.3	.0	9.7	.0	.0	.0
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	2.8							2.8	.0	.0	.0	7.1	.0	2.3	.0	6.3	.0
TOT OBS	4	19	56	22	7	0	108		17.1	34	0	14	0	44	0	16	0
TOT PCT	3.7	17.6	51.9	20.4	6.5	.0		100.0		100.0	.0	100.0	.0	100.0	.0	100.0	.0

TABLE 3A

	WIND SPEED (KNOTS)								HOUR (GMT)				
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	06 09	12 15	18 21
N	.0	10.9	3.5	3.2	.0		17.6	17.4	11.0	17.9	22.2	18.8
NE	.0	6.3	2.1	4.2	.0		12.5	21.2	17.6	17.9	9.1	6.3
E	1.9	6.0	5.3	.9	.0		14.1	16.2	12.5	14.3	11.4	25.0
SE	.0	3.5	7.4	.0	.0		10.9	17.4	16.2	14.3	7.4	6.3
S	.0	9.7	1.2	.9	.0		11.8	14.9	13.2	5.4	12.5	12.5
SW	.9	3.7	2.5	6.5	.0		13.7	23.0	14.7	8.9	14.2	14.1
W	.0	4.6	2.1	.9	.0		7.6	15.6	4.4	.0	11.4	10.9
NW	.0	8.1	.9	.0	.0		9.0	12.0	10.3	14.3	9.7	.0
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	2.8						2.8	.0	.0	7.1	2.3	6.3
TOT OBS	6	57	27	18	0	108		17.1	34	14	44	16
TOT PCT	5.6	52.8	25.0	16.7	.0		100.0		100.0	100.0	100.0	100.0

SEPTEMBER

PERIOD: (PRIMARY) 1941-1977
(OVER-ALL) 1877-1977

AREA 0024 CHATHAM ISLAND
43.9S 176.7W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS) 1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00&03	.0	.0	14.7	58.8	23.5	2.9	.0	17.0	100.0	34
06&09	7.1	.0	14.3	57.1	14.4	7.1	.0	16.9	100.0	14
12&15	2.3	2.3	22.7	52.3	15.9	4.5	.0	15.5	100.0	44
18&21	0.3	.0	12.5	31.3	31.3	18.8	.0	21.7	100.0	16
TOT	3	1	19	56	22	7	0	17.1		108
PCT	2.8	.9	17.6	51.9	20.4	6.5	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	3.5	.0	4.8	15.8		6.5
NE	.0	.0	.4	15.4		7.9
E	.0	.0	1.8	12.7		7.7
SE	.0	.0	3.5	1.3		6.5
S	.0	.0	1.8	8.3		7.4
SW	1.8	.4	7.0	2.2		5.3
W	1.8	1.3	1.8	1.8		4.8
NW	5.3	1.8	.0	.4		1.1
VAR	.0	.0	.0	.0		.0
CALM	.0	.0	5.3	.0		5.6
TOT OBS	7	2	15	33	57	6.3
TOT PCT	12.3	3.5	26.3	57.9	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT,NH >4/8) AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

WND DIR	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	TOTAL OBS
N	1.8	.0	.0	11.0	4.8	1.8	1.3	.0	.0	.0	3.5	
NE	.0	.0	.0	3.1	10.5	.0	.4	.0	.0	.0	1.8	
E	.0	.0	.0	.9	4.8	7.0	.0	.0	1.8	.0	.0	
SE	.0	.0	.0	.9	.4	.0	.0	.0	.0	.0	3.5	
S	1.8	1.3	.0	.0	3.5	1.8	1.8	.0	.0	.0	.0	
SW	.0	.4	.0	5.3	3.5	.0	.0	.0	.0	.0	2.2	
W	.0	.0	.0	1.8	1.8	.0	.0	.0	.0	.0	3.1	
NW	.0	.0	.0	.0	.4	.0	.0	.0	.0	.0	7.0	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.0	.0	.0	.0	1.8	.0	.0	.0	.0	3.5	
TOT OBS	2	1	0	13	17	7	2	0	1	0	14	57
TOT PCT	3.5	1.8	.0	22.8	29.8	12.3	3.5	.0	1.8	.0	24.6	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) = OR >10	= OR >5	= OR >2	= OR >1	= OR >1/2	= OR >1/4	= OR >50YD	= OR >0
= OR >6500	.0	.0	.0	1.8	1.8	1.8	1.8	1.8
= OR >5000	.0	.0	.0	1.8	1.8	1.8	1.8	1.8
= OR >3500	3.5	3.5	3.5	5.3	5.3	5.3	5.3	5.3
= OR >2000	10.5	14.0	14.0	17.5	17.5	17.5	17.5	17.5
= OR >1000	28.1	40.4	42.1	47.4	47.4	47.4	47.4	47.4
= OR >600	35.1	56.1	61.4	68.4	70.2	70.2	70.2	70.2
= OR >300	35.1	56.1	61.4	68.4	70.2	70.2	70.2	70.2
= OR >150	35.1	56.1	63.2	70.2	71.9	71.9	71.9	71.9
= OR > 0	36.8	57.9	64.9	71.9	73.7	73.7	75.4	75.4
TOTAL	21	33	37	41	42	42	43	43

TOTAL NUMBER OF OBS: 57 PCT FREQ NH <5/8: 24.6

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8 OBSCD	TOTAL OBS
9.2	4.6	1.5	7.7	1.5	4.6	10.8	6.2	52.3	1.5	65

SEPTEMBER

PERIOD: (PRIMARY) 1941-1977
(OVER-ALL) 1877-1977

AREA 0024 CHATHAM ISLAND
43.9S 176.7W

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
<1/2	NO PCP	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.2	
	TOT %	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.2	
	PCP	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.2	
1/2<1	NO PCP	.9	.3	.0	.0	.0	.0	.0	.0	.0	.0	1.2	
	TOT %	2.1	.3	.0	.0	.0	.0	.0	.0	.0	.0	2.4	
	PCP	.9	1.5	3.3	.3	.0	.0	.0	.0	.0	.0	6.0	
1<2	NO PCP	.0	.0	.0	.0	.0	.0	1.2	1.2	.0	.0	2.4	
	TOT %	.9	1.5	3.3	.3	.0	.0	1.2	1.2	.0	.0	8.4	
	PCP	.0	2.4	.0	.0	.0	.0	.0	.0	.0	.0	2.4	
2<5	NO PCP	2.4	.0	.0	.0	.9	.3	.0	.0	.0	.0	3.6	
	TOT %	2.4	2.4	.0	.0	.9	.3	.0	.0	.0	.0	6.0	
	PCP	2.1	2.4	.0	.0	1.2	3.0	.6	.3	.0	.0	9.6	
5<10	NO PCP	3.0	4.2	4.8	3.6	.0	3.6	1.2	2.4	.0	.0	22.9	
	TOT %	5.1	6.6	4.8	3.6	1.2	6.6	1.8	2.7	.0	.0	32.5	
	PCP	.0	.0	.0	.0	.0	1.2	.0	.0	.0	.0	1.2	
10+	NO PCP	9.3	2.1	6.0	3.3	6.9	7.5	4.5	4.8	.0	3.6	48.2	
	TOT %	9.3	2.1	6.0	3.3	6.9	8.7	4.5	4.8	.0	3.6	49.4	
	TOT OBS												83
	TOT PCT	21.1	13.0	14.2	7.2	9.0	15.7	7.5	8.7	.0	3.6	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
<1/2	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	1.2	.0	.0	.0	.0	.0	.0	.0	.0		1.2	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.2	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	1.2	.0	.0	.0	.0	.0	.0	.0	.0		1.2	
	22+	.9	.3	.0	.0	.0	.0	.0	.0	.0		1.2	
	TOT %	2.1	.3	.0	.0	.0	.0	.0	.0	.0	.0	2.4	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	4-10	.0	.0	.0	.0	.0	.0	.0	1.2	.0		1.2	
	11-21	.9	1.5	.0	.0	.0	.0	1.2	.0	.0		3.6	
	22+	.0	.0	3.3	.3	.0	.0	.0	.0	.0		3.6	
	TOT %	.9	1.5	3.3	.3	.0	.0	1.2	1.2	.0	.0	8.4	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	1.2	2.4	.0	.0	.9	.3	.0	.0	.0		4.8	
	22+	1.2	.0	.0	.0	.0	.0	.0	.0	.0		1.2	
	TOT %	2.4	2.4	.0	.0	.9	.3	.0	.0	.0	.0	6.0	
	0-3	.0	.0	1.2	.0	.0	.0	.0	.0	.0	.0	1.2	
5<10	4-10	.9	.0	1.2	.0	.0	.0	.0	1.5	.0		3.6	
	11-21	1.2	.0	1.2	3.6	.0	3.0	1.8	1.2	.0		12.0	
	22+	3.0	6.6	1.2	.0	1.2	3.6	.0	.0	.0		15.7	
	TOT %	5.1	6.6	4.8	3.6	1.2	6.6	1.8	2.7	.0	.0	32.5	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.6	3.6	
10+	4-10	2.4	1.2	1.8	.6	2.4	1.5	.9	2.4	.0		13.3	
	11-21	6.9	.9	1.8	1.2	3.6	1.2	2.4	2.4	.0		20.5	
	22+	.0	.0	2.4	1.5	.9	6.0	1.2	.0	.0		12.0	
	TOT %	9.3	2.1	6.0	3.3	6.9	8.7	4.5	4.8	.0	3.6	49.4	
	TOT OBS												83
	TOT PCT	21.1	13.0	14.2	7.2	9.0	15.7	7.5	8.7	.0	3.6	100.0	

SEPTEMBER

PERIOD: (PRIMARY) 1941-1977
(OVER-ALL) 1877-1977

AREA 0024 CHATHAM ISLAND
43.9S 176.7W

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00&03	.0	.0	.0	20.0	46.7	6.7	6.7	.0	6.7	.0	86.7	13.3	15
06&09	.0	.0	.0	9.1	27.3	27.3	9.1	.0	.0	.0	72.7	27.3	11
12&15	5.0	5.0	.0	20.0	20.0	5.0	.0	.0	.0	.0	55.0	45.0	20
18&21	7.7	.0	.0	38.5	23.1	15.4	.0	.0	.0	.0	84.6	15.4	13
TOT	2	1	0	13	17	7	2	0	1	0	43	16	59
PCT	3.4	1.7	.0	22.0	28.8	11.9	3.4	.0	1.7	.0	72.9	27.1	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00&03	.0	4.5	4.5	13.6	27.3	50.0	22
06&09	.0	.0	9.1	9.1	18.2	63.6	11
12&15	2.6	2.6	10.5	2.6	39.5	42.1	38
18&21	.0	.0	7.7	.0	38.5	53.8	13
TOT	1	2	7	5	28	41	84
PCT	1.2	2.4	8.3	6.0	33.3	48.8	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET, NH >4/8), BY HOUR

HOUR (GMT)	<150 <50YD	<600 <1	<1000 <3	1000+ AND5+	NH <5/8 AND 5+	TOTAL OBS
00&03	.0	7.1	28.6	64.3	7.1	14
06&09	.0	.0	27.3	45.5	27.3	11
12&15	5.3	10.5	36.8	26.3	36.8	19
18&21	7.7	7.7	53.8	30.8	15.4	13
TOT	2	4	21	23	13	57
PCT	3.5	7.0	36.8	40.4	22.8	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
55/59	.0	.0	.0	.0	1.5	3.1	3.1	7.7	10	15.4
50/54	.0	.0	.0	.0	4.6	4.6	21.5	32.3	41	63.1
45/49	.0	.0	.0	.0	1.5	7.7	1.5	9.2	13	20.0
40/44	.0	.0	.0	.0	.0	.0	1.5	.0	1	1.5
TOTAL	0	0	0	0	5	10	18	32	65	100.0
PCT	.0	.0	.0	.0	7.7	15.4	27.7	49.2		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
5.8	7.7	1.9	.0	.0	.0	.0	.0	.0	.0
22.3	9.6	9.6	1.2	8.8	3.5	.0	8.1	.0	.0
1.2	1.9	.0	3.5	6.9	2.7	2.3	.0	.0	1.5
.0	.0	.0	.0	1.5	.0	.0	.0	.0	.0
29.2	19.2	11.5	4.6	17.3	6.2	2.3	8.1	.0	1.5

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00&03	55	54	54	51	46	46	46	51.2	33
06&09	58	57	57	52	43	43	43	50.8	15
12&15	63	62	55	51	44	41	41	50.6	43
18&21	56	55	55	50	43	43	43	50.4	16
TOT	63	58	55	51	45	41	41	50.8	107

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00&03	.0	.0	14.3	28.6	14.3	42.9	84	14
06&09	.0	.0	8.3	8.3	33.3	50.0	87	12
12&15	.0	.0	.0	6.7	23.3	70.0	92	30
18&21	.0	.0	18.2	27.3	54.5	.0	79	11
TOT	0	0	5	10	19	33	87	67

SEPTEMBER

PERIOD: (PRIMARY) 1941-1977
(OVER-ALL) 1877-1977

AREA 0024 CHATHAM ISLAND
43.9S 176.7W

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	41 44	45 48	49 52	53 56	57 60	61 64	TOT	W FOG	WO FOG
9/10	.0	.0	.0	.0	.0	1.8	1	.0	1.8
7/8	.0	.0	.0	1.8	.0	.0	1	.0	1.8
4	.0	.0	.0	1.8	.0	.0	1	.0	1.8
3	.0	1.8	.0	1.8	.0	.0	2	.0	3.6
2	.0	.0	1.8	3.6	.0	.0	3	.0	5.4
1	1.8	.0	1.8	3.6	.0	.0	4	.0	7.1
0	.0	3.6	3.6	5.4	.0	.0	7	.0	12.5
-1	.0	5.4	10.7	5.4	.0	.0	12	.0	21.4
-2	.0	3.6	5.4	1.8	.0	.0	6	.0	10.7
-3	1.8	.0	3.6	1.8	.0	.0	4	.0	7.1
-4	1.8	3.6	7.1	.0	.0	.0	7	.0	12.5
-5	.0	.0	5.4	.0	.0	.0	3	1.8	3.6
-6	.0	1.8	.0	.0	.0	.0	1	.0	1.8
-7/-8	.0	3.6	.0	.0	.0	.0	2	.0	3.6
-9/-10	1.8	.0	.0	.0	.0	.0	1	.0	1.8
-11/-13	1.8	.0	.0	.0	.0	.0	1	.0	1.8
TOTAL	5	13	22	15	0	1	56	1	55
PCT	8.9	23.2	39.3	26.8	.0	1.8	100.0	1.8	98.2

PERIOD: (OVER-ALL) 1963-1977

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	1.4	5.8	.0	.0	.0	7.2
3-4	.0	1.9	5.3	1.4	.0	.0	8.7
5-6	.0	.0	5.8	.0	.0	.0	5.8
7	.0	.0	.0	1.9	.0	.0	1.9
8-9	.0	.0	.0	1.4	.0	.0	1.4
10-11	.0	.0	.0	.0	1.4	.0	1.4
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	1.9	.0	1.9
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	3.4	16.8	4.8	3.4	.0	28.4

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	3.8	.0	.0	3.8
7	.0	.0	.0	1.9	.0	.0	1.9
8-9	.0	.0	.0	.5	.0	.0	.5
10-11	.0	.0	.0	.0	.5	.0	.5
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	1.9	3.8	.0	5.8
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	1.9	.0	1.9
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	3.4	6.3	4.8	6.3	.0	17.3

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	1.9	.0	.0	.0	.0	1.9
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	1.9	.0	.0	1.9
5-6	.0	.0	1.9	7.2	.0	.0	9.1
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	1.9	.0	.0	1.9
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	1.9	1.9	11.1	.0	.0	14.9

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	2.4	.0	.0	2.4
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	2.4	.0	.0	2.4

PERIOD: (OVER-ALL) 1963-1977

SEPTEMBER

AREA 0024 CHATHAM ISLAND
43.9S 176.7W

TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

S

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	1.9	1.9	.0	.0	.0	3.8
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	1.9	1.9	.0	.0	.0	3.8

SW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.5	.0	.0	.0	.0	.5
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	1.9	.0	.0	1.9
7	.0	.0	.0	1.9	.0	.0	1.9
8-9	.0	.0	.0	1.9	1.9	.0	3.8
10-11	.0	.0	.0	3.8	.0	.0	3.8
12	.0	.0	.0	1.9	.0	.0	1.9
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.5	.0	11.5	1.9	.0	13.9

W

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	1.4	3.8	.0	.0	.0	5.3
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	1.9	.0	.0	1.9
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	1.4	3.8	1.9	.0	.0	7.2

NW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	.0	.0	.0	.0	.0	.0	.0	
1-2	.0	2.4	1.9	.0	.0	.0	4.3	
3-4	.0	.0	.0	.0	.0	.0	.0	
5-6	.0	1.9	1.9	.0	.0	.0	3.8	
7	.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.0	4.3	3.8	.0	.0	.0	8.2	96.2

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	3.8	1.9	.0	.0	.0	.0	5.8	
1-2	.0	3.8	7.7	.0	.0	.0	11.5	
3-4	.0	5.8	13.5	3.8	.0	.0	23.1	
5-6	.0	1.9	13.5	9.6	.0	.0	25.0	
7	.0	.0	.0	7.7	.0	.0	7.7	
8-9	.0	.0	.0	5.8	.0	.0	5.8	
10-11	.0	.0	.0	1.9	3.8	.0	5.8	
12	.0	.0	.0	3.8	.0	.0	3.8	
13-16	.0	.0	.0	3.8	3.8	.0	7.7	
17-19	.0	.0	.0	.0	1.9	.0	1.9	
20-22	.0	.0	.0	.0	1.9	.0	1.9	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	3.8	13.5	34.6	36.5	11.5	.0	100.0	52

PERIOD: (OVER-ALL) 1949-1977

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	1.7	8.3	10.0	6.7	1.7	1.7	3.3	.0	3.3	1.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	6
6-7	.0	.0	.0	1.7	8.3	3.3	.0	3.3	3.3	1.7	1.7	.0	.0	.0	.0	.0	.0	.0	.0	14	10
8-9	.0	.0	.0	1.7	3.3	.0	1.7	1.7	3.3	5.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	10	12
10-11	.0	.0	1.7	.0	.0	1.7	1.7	.0	3.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5	10
12-13	.0	.0	.0	.0	.0	1.7	1.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2	9
>13	.0	.0	.0	.0	.0	.0	1.7	.0	.0	.0	1.7	.0	.0	.0	.0	.0	.0	.0	.0	2	15
INDET	3.3	.0	1.7	.0	.0	.0	.0	.0	1.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4	4
TOTAL	3	5	8	6	8	5	6	3	9	5	2	0	0	0	0	0	0	0	0	60	
PCT	5.0	8.3	13.3	10.0	13.3	8.3	10.0	5.0	15.0	8.3	3.3	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

OCTOBER

PERIOD: (PRIMARY) 1972-1977
(OVER-ALL) 1898-1977

AREA 0024 CHATHAM ISLAND
43.9S 177.1W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
N	5.0	10.0	.0	.0	.0	.0	.0	15.0	10.0	.0	10.0	.0	.0		.0	65.0
NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	100.0
E	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	100.0
SE	15.4	15.4	15.4	.0	.0	.0	.0	46.2	.0	.0	.0	.0	.0		.0	53.8
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	100.0
SW	.0	10.0	.0	.0	.0	.0	.0	10.0	.0	10.0	.0	.0	.0		.0	80.0
W	.0	.0	12.9	.0	.0	.0	.0	12.9	.0	.0	.0	.0	.0		.0	87.1
NW	33.3	.0	.0	.0	.0	.0	.0	33.3	.0	.0	.0	.0	.0		.0	66.7
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	.0	.0		.0	.0
TOT PCT	3.9	5.9	3.9	.0	.0	.0	.0	13.7	2.0	2.0	3.9	.0	.0		.0	78.4
TOT OBS:	51															

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
00&03	6.3	.0	.0	.0	.0	.0	.0	6.3	6.3	.0	.0	.0	.0		.0	87.5
06&09	.0	.0	11.1	.0	.0	.0	.0	11.1	.0	.0	22.2	.0	.0		.0	66.7
12&15	5.6	5.6	5.6	.0	.0	.0	.0	16.7	.0	5.6	.0	.0	.0		.0	77.8
18&21	.0	22.2	.0	.0	.0	.0	.0	22.2	.0	.0	.0	.0	.0		.0	77.8
TOT PCT	3.8	5.8	3.8	.0	.0	.0	.0	13.5	1.9	1.9	3.8	.0	.0		.0	78.8
TOT OBS:	52															

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	WIND SPEED (KNOTS)									HOUR (GMT)							
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	1.6	6.0	13.1	1.6	.0	.0		22.2	14.1	25.0	58.3	.0	50.0	10.9	.0	44.4	37.5
NE	.0	.4	10.7	.0	.0	.0		11.1	16.0	3.1	25.0	18.8	25.0	10.9	.0	11.1	12.5
E	.0	1.6	5.6	.0	.0	.0		7.1	14.3	9.4	16.7	6.3	25.0	6.5	.0	.0	.0
SE	1.6	2.4	7.9	1.6	.8	.0		14.3	15.9	15.6	.0	28.1	.0	14.1	.0	11.1	.0
S	.0	5.6	2.0	.0	.8	.0		8.3	12.5	12.5	.0	9.4	.0	10.9	.0	.0	.0
SW	.0	7.5	8.7	.0	1.6	.0		17.9	15.7	15.6	.0	15.6	.0	23.9	.0	11.1	50.0
W	.0	5.2	6.7	1.6	.0	.0		13.5	14.8	12.5	.0	9.4	.0	16.3	.0	22.2	.0
NW	.0	1.6	.8	1.6	.0	.0		4.0	16.0	6.3	.0	.0	.0	6.5	.0	.0	.0
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	1.6							1.6	.0	.0	.0	12.5	.0	.0	.0	.0	.0
TOT OBS	3	19	35	4	2	0	63		14.7	16	3	8	2	23	0	9	2
TOT PCT	4.8	30.2	55.6	6.3	3.2	.0		100.0		100.0	100.0	100.0	100.0	100.0	.0	100.0	100.0

TABLE 3A

	WIND SPEED (KNOTS)								HOUR (GMT)			
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	06 09	12 15	18 21
N	4.4	4.8	13.1	.0	.0		22.2	14.1	30.3	10.0	10.9	43.2
NE	.4	4.0	6.7	.0	.0		11.1	16.0	6.6	20.0	10.9	11.4
E	.0	4.0	3.2	.0	.0		7.1	14.3	10.5	10.0	6.5	.0
SE	2.4	4.8	4.8	2.4	.0		14.3	15.9	13.2	22.5	14.1	9.1
S	2.4	4.4	.8	.8	.0		8.3	12.5	10.5	7.5	10.9	.0
SW	1.6	7.9	6.7	.0	1.6		17.9	15.7	13.2	12.5	23.9	18.2
W	1.6	3.6	8.3	.0	.0		13.5	14.8	10.5	7.5	16.3	18.2
NW	.0	1.6	2.4	.0	.0		4.0	16.0	5.3	.0	6.5	.0
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	1.6						1.6	.0	.0	10.0	.0	.0
TOT OBS	9	22	29	2	1	63		14.7	19	10	23	11
TOT PCT	14.3	34.9	46.0	3.2	1.6		100.0		100.0	100.0	100.0	100.0

OCTOBER

PERIOD: (PRIMARY) 1922-1977
(OVER-ALL) 1898-1977

AREA 0024 CHATHAM ISLAND
43.9S 177.1W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS) 1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00&03	.0	10.5	31.6	47.4	5.3	5.3	.0	13.9	100.0	19
06&09	10.0	.0	30.0	50.0	.0	10.0	.0	14.0	100.0	10
12&15	.0	.0	26.1	65.2	8.7	.0	.0	15.5	100.0	23
18&21	.0	.0	36.4	54.5	9.1	.0	.0	15.0	100.0	11
TOT	1	2	19	35	4	2	0	14.7		63
PCT	1.6	3.2	30.2	55.6	6.3	3.2	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	3.4	2.6	13.8	3.4		5.8
NE	8.6	.9	6.9	3.4		4.4
E	5.2	.0	.0	3.4		3.6
SE	3.4	.0	4.3	.0		3.8
S	2.6	.0	2.6	.0		4.0
SW	4.3	4.3	6.9	.0		3.8
W	6.9	2.6	3.4	3.4		4.0
NW	3.4	.0	.0	.0		2.0
VAR	.0	.0	.0	.0		.0
CALM	.0	.0	.0	.0		.0
TOT OBS	11	3	11	4	29	4.3
TOT PCT	37.9	10.3	37.9	13.8	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT,NH >4/8) AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

WND DIR	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	TOTAL OBS
N	.0	3.4	.0	.0	.0	3.4	.0	.0	.0	.0	16.4	
NE	.0	.0	.0	.0	3.4	.0	3.4	.0	.0	1.7	11.2	
E	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.7	6.9	
SE	.0	.0	.0	.0	.9	.0	.0	.0	.0	.0	6.9	
S	.0	.0	.0	.0	2.6	.0	.0	.0	.0	.0	2.6	
SW	.0	.0	3.4	.0	3.4	.0	.0	.0	.0	.0	8.6	
W	.0	.0	.0	.0	6.9	.0	.0	.0	.0	.0	9.5	
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.4	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT OBS	0	1	1	0	5	1	1	0	0	1	19	29
TOT PCT	.0	3.4	3.4	.0	17.2	3.4	3.4	.0	.0	3.4	65.5	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) = OR >10	= OR >5	= OR >2	= OR >1	= OR >1/2	= OR >1/4	= OR >30YD	= OR >0
= OR >6500	.0	3.4	3.4	3.4	3.4	3.4	3.4	3.4
= OR >5000	.0	3.4	3.4	3.4	3.4	3.4	3.4	3.4
= OR >3500	.0	6.9	6.9	6.9	6.9	6.9	6.9	6.9
= OR >2000	.0	10.3	10.3	10.3	10.3	10.3	10.3	10.3
= OR >1000	10.3	24.1	27.6	27.6	27.6	27.6	27.6	27.6
= OR >600	10.3	24.1	27.6	27.6	27.6	27.6	27.6	27.6
= OR >300	10.3	27.6	31.0	31.0	31.0	31.0	31.0	31.0
= OR >150	10.3	31.0	34.5	34.5	34.5	34.5	34.5	34.5
= OR > 0	10.3	31.0	34.5	34.5	34.5	34.5	34.5	34.5
TOTAL	3	9	10	10	10	10	10	10

TOTAL NUMBER OF OBS: 29 PCT FREQ NH <5/8: 65.5

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8 OBSCD	TOTAL OBS
11.8	20.6	11.8	8.8	5.9	8.8	.0	17.6	14.7	.0	34

PERIOD: (PRIMARY) 1922-1977
(OVER-ALL) 1898-1977

AREA 0024 CHATHAM ISLAND
43.9S 177.1W

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.0	2.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.0	2.0	
1/2<1	PCP	1.0	.0	.0	3.9	.0	.0	.0	1.0	.0	.0	5.9	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	1.0	.0	.0	3.9	.0	.0	.0	1.0	.0	.0	5.9	
1<2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	PCP	.0	.0	.0	2.0	.0	.0	2.0	.0	.0	.0	3.9	
	NO PCP	.0	.0	.0	2.0	.0	.0	.0	.0	.0	.0	2.0	
	TOT %	.0	.0	.0	3.9	.0	.0	2.0	.0	.0	.0	5.9	
5<10	PCP	2.0	.0	.0	.0	.0	2.0	.0	.0	.0	.0	3.9	
	NO PCP	5.4	9.3	4.9	.0	4.9	11.8	4.9	2.0	.0	.0	43.1	
	TOT %	7.4	9.3	4.9	.0	4.9	13.7	4.9	2.0	.0	.0	47.1	
10+	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	11.3	4.4	.0	4.9	4.4	5.9	8.3	.0	.0	.0	39.2	
	TOT %	11.3	4.4	.0	4.9	4.4	5.9	8.3	.0	.0	.0	39.2	
	TOT OBS												51
	TOT PCT	19.6	13.7	4.9	12.7	9.3	19.6	15.2	2.9	.0	2.0	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.9	1.9	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.9	1.9	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	1.0	.0	.0	1.9	.0	.0	.0	1.0	.0		3.8	
	22+	.0	.0	.0	1.9	.0	.0	.0	.0	.0		1.9	
	TOT %	1.0	.0	.0	3.8	.0	.0	.0	1.0	.0	.0	5.8	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	3.8	.0	.0	1.9	.0	.0		5.8	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	3.8	.0	.0	1.9	.0	.0	.0	5.8	
5<10	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	1.9	.0	.0	.0	3.8	4.8	2.9	1.9	.0		15.4	
	11-21	3.4	9.1	4.8	.0	1.0	8.7	1.9	.0	.0		28.8	
	22+	1.9	.0	.0	.0	.0	.0	.0	.0	.0		1.9	
	TOT %	7.2	9.1	4.8	.0	4.8	13.5	4.8	1.9	.0	.0	46.2	
10+	0-3	1.9	.0	.0	1.9	.0	.0	.0	.0	.0	.0	3.8	
	4-10	5.3	.5	.0	2.9	2.9	2.4	3.4	.0	.0		17.3	
	11-21	3.8	3.8	1.9	.0	1.4	1.4	2.9	.0	.0		15.4	
	22+	.0	.0	.0	.0	.0	1.9	1.9	.0	.0		3.8	
	TOT %	11.1	4.3	1.9	4.8	4.3	5.8	8.2	.0	.0	.0	40.4	
	TOT OBS												52
	TOT PCT	19.2	13.5	6.7	12.5	9.1	19.2	14.9	2.9	.0	1.9	100.0	

OCTOBER

PERIOD: (PRIMARY) 1922-1977
(OVER-ALL) 1898-1977

AREA 0024 CHATHAM ISLAND
43.9S 177.1W

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00&03	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	7
06&09	.0	14.3	.0	.0	28.6	.0	.0	.0	.0	14.3	57.1	42.9	7
12&15	.0	.0	.0	.0	25.0	.0	.0	.0	.0	.0	25.0	75.0	8
18&21	.0	.0	12.5	.0	12.5	12.5	12.5	.0	.0	.0	50.0	50.0	8
TOT	0	1	1	0	5	1	1	0	0	1	10	20	30
PCT	.0	3.3	3.3	.0	16.7	3.3	3.3	.0	.0	3.3	33.3	66.7	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00&03	.0	5.9	.0	.0	52.9	41.2	17
06&09	11.1	.0	.0	11.1	33.3	44.4	9
12&15	.0	11.1	.0	11.1	44.4	33.3	18
18&21	.0	.0	.0	.0	44.4	55.6	9
TOT	1	3	0	3	24	22	53
PCT	1.9	5.7	.0	5.7	45.3	41.5	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET, NH >4/8), BY HOUR

HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL OBS
00&03	.0	.0	.0	.0	100.0	7
06&09	.0	14.3	14.3	42.9	42.9	7
12&15	.0	.0	14.3	14.3	71.4	7
18&21	.0	12.5	12.5	37.5	50.0	8
TOT	0	2	3	7	19	29
PCT	.0	6.9	10.3	24.1	65.5	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
55/59	.0	.0	.0	.0	.0	5.0	12.5	5.0	9	22.5
50/54	.0	.0	2.5	.0	7.5	10.0	5.0	32.5	23	57.5
45/49	.0	.0	.0	.0	2.5	10.0	7.5	.0	8	20.0
TOTAL	0	0	1	0	4	10	10	15	40	100.0
PCT	.0	.0	2.5	.0	10.0	25.0	25.0	37.5		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
11.9	8.1	2.5	.0	.0	.0	.0	.0	.0	.0
17.5	2.5	5.0	13.1	3.1	9.4	6.9	.0	.0	.0
.0	2.5	.0	3.1	1.9	9.4	3.1	.0	.0	.0
29.4	13.1	7.5	16.3	5.0	18.8	10.0	.0	.0	.0

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00&03	59	58	58	53	46	46	46	52.8	19
06&09	59	58	58	52	50	50	50	53.7	9
12&15	58	57	54	50	46	44	44	50.0	22
18&21	56	55	55	50	49	49	49	51.7	11
TOT	59	58	58	51	46	44	44	51.7	61

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00&03	.0	8.3	16.7	33.3	25.0	16.7	77	12
06&09	.0	.0	14.3	14.3	28.6	42.9	88	7
12&15	.0	.0	7.7	23.1	23.1	46.2	86	13
18&21	.0	.0	11.1	22.2	22.2	44.4	86	9
TOT	0	1	5	10	10	15	84	41

OCTOBER

PERIOD: (PRIMARY) 1922-1977
(OVER-ALL) 1898-1977

AREA 0024 CHATHAM ISLAND
43.9S 177.1W

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	41 44	45 48	49 52	53 56	57 60	TOT	W FOG	WO FOG
7/8	.0	.0	.0	2.4	.0	1	.0	2.4
5	.0	.0	.0	.0	4.9	2	.0	4.9
3	.0	.0	2.4	2.4	4.9	4	.0	9.8
2	.0	.0	7.3	9.8	2.4	8	.0	19.5
1	.0	.0	.0	4.9	.0	2	.0	4.9
0	.0	2.4	4.9	7.3	.0	6	.0	14.6
-1	.0	.0	7.3	.0	.0	3	.0	7.3
-2	.0	4.9	4.9	4.9	.0	6	.0	14.6
-3	.0	.0	4.9	.0	.0	2	.0	4.9
-4	.0	.0	4.9	.0	.0	2	.0	4.9
-5	2.4	.0	4.9	.0	.0	3	.0	7.3
-7/-8	.0	2.4	.0	.0	.0	1	.0	2.4
-9/-10	.0	2.4	.0	.0	.0	1	.0	2.4
TOTAL	1	5	17	13	5	41	0	41
PCT	2.4	12.2	41.5	31.7	12.2	100.0		100.0

PERIOD: (OVER-ALL) 1963-1977

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	13.8	.0	.0	.0	.0	13.8
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	3.8	.0	.0	.0	3.8
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	13.8	3.8	.0	.0	.0	17.5

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	1.3	.0	.0	.0	.0	1.3
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	1.3	.0	.0	.0	1.3
7	.0	.0	10.0	.0	.0	.0	10.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	5.0	.0	.0	.0	5.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	1.3	16.3	.0	.0	.0	17.5

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	5.0	.0	.0	.0	5.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	5.0	.0	.0	.0	5.0

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	5.0	.0	.0	.0	.0	5.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	2.5	.0	.0	.0	.0	2.5
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	7.5	.0	.0	.0	.0	7.5

PERIOD: (OVER-ALL) 1963-1977

OCTOBER

TABLE 18 (CONT)

AREA 0024 CHATHAM ISLAND
43.9S 177.1W

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

	S							SW						
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	7.5	.0	.0	.0	.0	7.5	.0	6.3	.0	.0	.0	.0	6.3
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	10.0	.0	.0	.0	10.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.0	.0	5.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	7.5	.0	.0	.0	.0	7.5	.0	6.3	10.0	.0	5.0	.0	21.3

	W							NW							TOTAL
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	PCT
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
3-4	.0	3.8	5.0	.0	.0	.0	8.8	.0	.0	.0	.0	.0	.0	.0	
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
7	.0	.0	5.0	.0	.0	.0	5.0	.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	5.0	.0	.0	5.0	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.0	.0	.0	5.0	
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.0	3.8	10.0	5.0	.0	.0	18.8	.0	.0	.0	5.0	.0	.0	5.0	100.0

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	.0	4.8	.0	.0	.0	.0	4.8	
1-2	4.8	14.3	.0	.0	.0	.0	19.0	
3-4	.0	19.0	9.5	.0	.0	.0	28.6	
5-6	.0	.0	14.3	.0	.0	.0	14.3	
7	.0	.0	14.3	.0	.0	.0	14.3	
8-9	.0	.0	.0	4.8	.0	.0	4.8	
10-11	.0	.0	.0	4.8	4.8	.0	9.5	
12	.0	.0	4.8	.0	.0	.0	4.8	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	4.8	38.1	42.9	9.5	4.8	.0	100.0	21

PERIOD: (OVER-ALL) 1955-1977

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	.0	.0	18.5	.0	11.1	3.7	3.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	10	5
6-7	.0	.0	.0	3.7	.0	3.7	.0	.0	3.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3	9
8-9	.0	.0	.0	3.7	.0	.0	.0	3.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2	8
10-11	.0	.0	.0	.0	3.7	.0	3.7	3.7	11.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6	11
12-13	.0	.0	.0	.0	3.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	7
>13	.0	.0	.0	.0	.0	.0	3.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	10
INDET	.0	.0	.0	3.7	3.7	.0	7.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4	8
TOTAL	0	0	5	3	6	2	5	2	4	0	0	0	0	0	0	0	0	0	0	27	8
PCT	.0	.0	18.5	11.1	22.2	7.4	18.5	7.4	14.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

NOVEMBER

PERIOD: (PRIMARY) 1940-1977
(OVER-ALL) 1899-1977

AREA 0024 CHATHAM ISLAND
44.1S 176.6W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

	PRECIPITATION TYPE									OTHER WEATHER PHENOMENA					
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG	DUST SNOW	NO SIG WEA
N	.0	.0	.0	.0	.0	.0	.0	.0	16.7	.0	.0	.0	.0	.0	.0	83.3
NE	.0	.0	34.8	.0	.0	.0	.0	34.8	.0	.0	17.4	.0	.0	.0	.0	47.8
E	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
SE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
S	.0	11.1	22.2	.0	.0	.0	.0	33.3	.0	.0	.0	.0	.0	.0	.0	66.7
SW	.0	13.3	.0	.0	.0	.0	.0	13.3	.0	.0	.0	.0	.0	.0	.0	86.7
W	.0	4.4	.0	.0	.0	.0	.0	4.4	.0	.0	8.9	.0	.0	.0	.0	86.7
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	14.3	.0	14.3	.0	.0	71.4
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
TOT PCT	.0	5.5	5.5	.0	.0	.0	.0	10.9	1.8	.0	5.5	.0	1.8	.0	.0	80.0
TOT OBS:	55															

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

	PRECIPITATION TYPE									OTHER WEATHER PHENOMENA					
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG	DUST SNOW	NO SIG WEA
00&03	.0	7.1	7.1	.0	.0	.0	.0	14.3	.0	.0	14.3	.0	7.1	.0	.0	64.3
06&09	.0	6.7	6.7	.0	.0	.0	.0	13.3	.0	.0	6.7	.0	.0	.0	.0	80.0
12&15	.0	.0	5.0	.0	.0	.0	.0	5.0	.0	.0	10.0	.0	.0	.0	.0	85.0
18&21	.0	9.1	.0	.0	.0	.0	.0	9.1	9.1	.0	.0	.0	.0	.0	.0	81.8
TOT PCT	.0	5.0	5.0	.0	.0	.0	.0	10.0	1.7	.0	8.3	.0	1.7	.0	.0	78.3
TOT OBS:	60															

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	WIND SPEED (KNOTS)									HOUR (GMT)							
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	2.3	5.7	2.0	2.3	1.1	.0		13.4	12.6	15.0	.0	14.8	.0	14.5	.0	11.8	18.8
NE	1.1	2.6	3.7	2.3	.0	.0		9.7	14.1	17.5	.0	12.5	.0	5.3	.0	5.9	6.3
E	.0	.6	.0	.0	.0	.0		.6	5.0	2.5	.0	.0	.0	.0	.0	.0	.0
SE	.0	1.7	2.3	2.3	.0	.0		6.3	18.0	.0	.0	9.1	.0	18.4	.0	.0	.0
S	2.3	2.0	1.7	.0	.0	.0		6.0	8.6	.0	.0	10.2	.0	15.8	.0	.0	.0
SW	.0	5.4	15.3	12.5	.0	.0		33.2	18.9	35.0	50.0	17.0	50.0	31.6	50.0	38.2	75.0
W	5.1	2.3	5.4	4.3	.9	.0		17.9	14.0	8.8	43.8	21.6	50.0	6.6	50.0	30.9	.0
NW	1.7	4.8	3.7	.3	.3	.0		10.8	11.0	16.3	6.3	14.8	.0	7.9	.0	7.4	.0
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	2.3							2.3	.0	5.0	.0	.0	.0	.0	.0	5.9	.0
TOT OBS	13	22	30	21	2	0	88		14.7	20	4	22	1	19	1	17	4
TOT PCT	14.8	25.0	34.1	23.9	2.3	.0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

	WIND SPEED (KNOTS)								HOUR (GMT)			
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	06 09	12 15	18 21
N	3.4	6.5	2.3	1.1	.0		13.4	12.6	12.5	14.1	13.8	13.1
NE	1.7	3.4	4.5	.0	.0		9.7	14.1	14.6	12.0	5.0	6.0
E	.6	.0	.0	.0	.0		.6	5.0	2.1	.0	.0	.0
SE	1.1	.6	3.4	1.1	.0		6.3	18.0	.0	8.7	17.5	.0
S	2.3	2.6	1.1	.0	.0		6.0	8.6	.0	9.8	15.0	.0
SW	.0	11.6	17.0	4.5	.0		33.2	18.9	37.5	18.5	32.5	45.2
W	7.4	2.3	5.4	2.8	.0		17.9	14.0	14.6	22.8	8.8	25.0
NW	2.8	4.8	2.6	.6	.0		10.8	11.0	14.6	14.1	7.5	6.0
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	2.3						2.3	.0	4.2	.0	.0	4.8
TOT OBS	19	28	32	9	0	88		14.7	24	23	20	21
TOT PCT	21.6	31.8	36.4	10.2	.0		100.0		100.0	100.0	100.0	100.0

NOVEMBER

PERIOD: (PRIMARY) 1940-1977
(OVER-ALL) 1899-1977

AREA 0024 CHATHAM ISLAND
44.1S 176.6W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS) 1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00&03	4.2	4.2	25.0	37.5	25.0	4.2	.0	15.8	100.0	24
06&09	.0	17.4	30.4	26.1	26.1	.0	.0	14.2	100.0	23
12&15	.0	15.0	30.0	25.0	30.0	.0	.0	15.0	100.0	20
18&21	4.8	14.3	14.3	47.6	14.3	4.8	.0	13.6	100.0	21
TOT	2	11	22	30	21	2	0	14.7		88
PCT	2.3	12.5	25.0	34.1	23.9	2.3	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	.0	6.1	1.7	5.6		5.7
NE	.0	.0	5.0	9.6		6.8
E	.0	.0	.0	.0		.0
SE	.0	.0	4.4	2.2		7.0
S	.0	.0	3.3	2.2		6.6
SW	5.6	5.6	13.3	1.1		4.9
W	5.0	5.6	11.1	3.3		4.8
NW	2.8	5.0	1.1	2.2		3.6
VAR	.0	.0	.0	.0		.0
CALM	.0	.0	.0	2.2		8.0
TOT OBS	6	10	18	11	45	5.3
TOT PCT	13.3	22.2	40.0	24.4	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT,NH >4/8) AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

WND DIR	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	TOTAL OBS
N	.0	.0	.0	.0	.0	2.2	.0	.0	.0	.0	11.1	
NE	.0	.0	.0	.0	4.4	.0	.0	.0	.0	2.2	3.9	
E	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
SE	.0	.0	.0	.0	2.2	2.2	2.2	.0	.0	.0	.0	
S	.0	.0	.0	.0	2.2	.0	1.1	.0	.0	.0	2.2	
SW	.0	.0	.0	.0	4.4	6.7	1.1	2.2	.0	.0	11.1	
W	.0	2.2	.0	3.3	2.2	6.7	.0	.0	.0	.0	10.6	
NW	.0	.0	.0	1.1	2.2	.0	.0	.0	.0	.0	7.8	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.0	.0	.0	.0	.0	2.2	.0	.0	.0	.0	
TOT OBS	0	1	0	2	8	8	3	1	0	1	21	45
TOT PCT	.0	2.2	.0	4.4	17.8	17.8	6.7	2.2	.0	2.2	46.7	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) * OR >10	* OR >5	* OR >2	* OR >1	* OR >1/2	* OR >1/4	* OR >50YD	* OR >0
* OR >6500	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
* OR >5000	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2
* OR >3500	8.3	10.4	10.4	10.4	10.4	10.4	10.4	10.4
* OR >2000	16.7	25.0	27.1	27.1	27.1	27.1	27.1	27.1
* OR >1000	25.0	41.7	43.8	43.8	43.8	43.8	43.8	43.8
* OR >600	29.2	45.8	47.9	47.9	47.9	47.9	47.9	47.9
* OR >300	29.2	45.8	47.9	47.9	47.9	47.9	47.9	47.9
* OR >150	29.2	45.8	47.9	47.9	50.0	52.1	52.1	52.1
* OR > 0	29.2	45.8	47.9	47.9	50.0	52.1	52.1	52.1
TOTAL	14	22	23	23	24	25	25	25

TOTAL NUMBER OF OBS: 48 PCT FREQ NH <5/8: 47.9

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8 OBSCD	TOTAL OBS
16.7	6.3	10.4	6.3	8.3	8.3	8.3	16.7	18.8	.0	48

PERIOD: (PRIMARY) 1940-1977
(OVER-ALL) 1899-1977

AREA 0024 CHATHAM ISLAND
44.1S 176.6W

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	1.8	.0	.0	1.8	
	TOT %	.0	.0	.0	.0	.0	.0	.0	1.8	.0	.0	1.8	
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	1.8	.0	.0	.0	.0	1.8	.0	.0	.0	3.6	
	TOT %	.0	1.8	.0	.0	.0	.0	1.8	.0	.0	.0	3.6	
1<2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	1.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.8	
	TOT %	1.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.8	
5<10	PCP	.0	3.6	.0	.0	1.8	.9	.9	.0	.0	.0	7.3	
	NO PCP	.0	.0	.0	4.5	3.6	9.1	4.5	.0	.0	1.8	23.6	
	TOT %	.0	3.6	.0	4.5	5.5	10.0	5.5	.0	.0	1.8	30.9	
10+	PCP	.0	.0	.0	.0	.9	2.7	.0	.0	.0	.0	3.6	
	NO PCP	9.1	5.0	.0	3.6	1.8	14.5	13.2	10.9	.0	.0	58.2	
	TOT %	9.1	5.0	.0	3.6	2.7	17.3	13.2	10.9	.0	.0	61.8	
	TOT OBS												55
	TOT PCT	10.9	10.5	.0	8.2	8.2	27.3	20.5	12.7	.0	1.8	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	1.8	.0		1.8	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	1.8	.0	.0	1.8	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	1.8	.0	.0	.0	.0	1.8	.0	.0		3.6	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	1.8	.0	.0	.0	.0	1.8	.0	.0	.0	3.6	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	1.8	.0	.0	.0	.0	.0	.0	.0	.0		1.8	
	TOT %	1.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.8	
5<10	0-3	.0	.0	.0	.0	1.8	.0	1.8	.0	.0	1.8	5.5	
	4-10	.0	.0	.0	.9	.9	.0	.0	.0	.0		1.8	
	11-21	.0	1.8	.0	.0	2.7	2.7	.0	.0	.0		7.3	
	22+	.0	1.8	.0	3.6	.0	7.3	3.6	.0	.0		16.4	
	TOT %	.0	3.6	.0	4.5	5.5	10.0	5.5	.0	.0	1.8	30.9	
10+	0-3	.0	1.8	.0	.0	1.8	.0	6.4	2.7	.0	.0	12.7	
	4-10	4.1	.9	.0	1.8	.9	4.5	.0	5.9	.0		18.2	
	11-21	1.4	2.3	.0	1.8	.0	10.9	5.5	1.8	.0		23.6	
	22+	3.6	.0	.0	.0	.0	1.8	1.4	.5	.0		7.3	
	TOT %	9.1	5.0	.0	3.6	2.7	17.3	13.2	10.9	.0	.0	61.8	
	TOT OBS												55
	TOT PCT	10.9	10.5	.0	8.2	8.2	27.3	20.5	12.7	.0	1.8	100.0	

NOVEMBER

PERIOD: (PRIMARY) 1940-1977
(OVER-ALL) 1899-1977

AREA 0024 CHATHAM ISLAND
44.1S 176.6W

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET,NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00&03	.0	9.1	.0	9.1	9.1	18.2	.0	9.1	.0	.0	54.5	45.5	11
06&09	.0	6.7	.0	.0	13.3	6.7	13.3	.0	.0	.0	40.0	60.0	15
12&15	.0	.0	.0	.0	41.7	16.7	.0	.0	.0	.0	58.3	41.7	12
18&21	.0	.0	.0	10.0	.0	30.0	10.0	.0	.0	10.0	60.0	40.0	10
TOT	0	2	0	2	8	8	3	1	0	1	25	23	48
PCT	.0	4.2	.0	4.2	16.7	16.7	6.3	2.1	.0	2.1	52.1	47.9	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00&03	14.3	.0	.0	.0	14.3	71.4	14
06&09	.0	6.7	.0	.0	13.3	80.0	15
12&15	.0	5.0	.0	.0	55.0	40.0	20
18&21	.0	.0	.0	9.1	27.3	63.6	11
TOT	2	2	0	1	18	37	60
PCT	3.3	3.3	.0	1.7	30.0	61.7	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET,NH >4/8), BY HOUR

HOUR (GMT)	<150 <5UYD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL OBS
00&03	.0	9.1	18.2	36.4	45.5	11
06&09	.0	6.7	6.7	33.3	60.0	15
12&15	.0	.0	.0	58.3	41.7	12
18&21	.0	.0	20.0	40.0	40.0	10
TOT	0	2	5	20	23	48
PCT	.0	4.2	10.4	41.7	47.9	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
60/64	.0	.0	.0	.0	.0	1.3	.0	.0	1	1.3
55/59	.0	.0	1.3	.0	1.3	2.6	5.3	9.2	15	19.7
50/54	.0	.0	.0	.0	14.5	14.5	25.0	9.2	48	63.2
45/49	.0	.0	.0	1.3	3.9	6.6	3.9	.0	12	15.8
TOTAL	0	0	1	1	15	19	26	14	76	100.0
PCT	.0	.0	1.3	1.3	19.7	25.0	34.2	18.4		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
.0	.0	.0	.0	.0	.0	.0	1.3	.0	.0
6.3	1.6	.0	.0	.0	.0	6.6	3.9	.0	1.3
7.9	7.6	.0	.0	3.0	27.3	11.8	5.6	.0	.0
1.3	.0	.0	3.9	.7	8.6	1.0	.3	.0	.0
15.5	9.2	.0	3.9	3.6	35.9	19.4	11.2	.0	1.3

TABLE 15

MEANS,EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00&03	62	61	60	53	50	49	49	53.6	25
06&09	59	58	58	52	49	49	49	52.3	24
12&15	57	56	56	50	46	46	46	50.9	22
18&21	59	58	56	52	46	46	46	52.0	21
TOT	62	60	59	52	47	46	46	52.2	92

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00&03	.0	4.3	30.4	13.0	30.4	21.7	79	23
06&09	.0	.0	26.1	8.7	34.8	30.4	82	23
12&15	.0	6.7	6.7	40.0	33.3	13.3	79	15
18&21	.0	5.0	5.0	40.0	45.0	5.0	80	20
TOT	0	3	15	19	29	15	80	81

NOVEMBER

PERIOD: (PRIMARY) 1940-1977
(OVER-ALL) 1899-1977

AREA 0024 CHATHAM ISLAND
44.1S 176.6W

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	45 48	49 52	53 56	57 60	61 64	TOT	W FOG	WO FOG
9/10	.0	.0	.0	1.8	.0	1	.0	1.8
6	.0	.0	.0	.0	1.8	1	.0	1.8
5	.0	.0	3.6	.0	.0	2	.0	3.6
4	.0	.0	1.8	7.3	.0	5	1.8	7.3
3	.0	.0	5.5	1.8	.0	4	.0	7.3
2	.0	.0	1.8	.0	.0	1	1.8	.0
1	.0	5.5	5.5	.0	.0	6	1.8	9.1
0	.0	.0	5.5	1.8	.0	4	1.8	5.5
-1	3.6	5.5	1.8	.0	.0	6	.0	10.9
-2	.0	7.3	.0	.0	.0	4	.0	7.3
-3	1.8	14.5	9.1	.0	.0	14	.0	25.5
-4	1.8	3.6	.0	.0	.0	3	.0	5.5
-5	1.8	1.8	.0	.0	.0	2	.0	3.6
-7/-8	.0	1.8	.0	.0	.0	1	.0	1.8
-9/-10	.0	1.8	.0	.0	.0	1	.0	1.8
TOTAL	5	23	19	7	1	55	4	51
PCT	9.1	41.8	34.5	12.7	1.8	100.0	7.3	92.7

PERIOD: (OVER-ALL) 1963-1977

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	3.0	3.0	.0	.0	.0	6.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	4.0	.0	.0	4.0
10-11	.0	.0	.0	4.0	.0	.0	4.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	4.0	.0	4.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	3.0	3.0	8.0	4.0	.0	18.0

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	4.0	.0	.0	.0	.0	.0	4.0
1-2	.0	.0	5.0	.0	.0	.0	5.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	4.0	.0	5.0	.0	.0	.0	9.0

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	4.0	.0	.0	.0	.0	4.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	4.0	.0	.0	.0	.0	4.0

PERIOD: (OVER-ALL) 1963-1977

NOVEMBER

AREA 0024 CHATHAM ISLAND
44.1S 176.6W

TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

S

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	4.0	.0	.0	.0	.0	.0	4.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	4.0	.0	.0	.0	.0	.0	4.0

SW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	4.0	8.0	.0	.0	.0	12.0
3-4	.0	.0	4.0	.0	.0	.0	4.0
5-6	.0	.0	4.0	.0	.0	.0	4.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	4.0	.0	.0	4.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	4.0	16.0	4.0	.0	.0	24.0

W

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	11.0	.0	.0	.0	.0	.0	11.0
3-4	.0	.0	4.0	.0	.0	.0	4.0
5-6	.0	.0	4.0	.0	.0	.0	4.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	11.0	.0	8.0	.0	.0	.0	19.0

NW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	4.0	.0	.0	.0	.0	.0	4.0	
1-2	1.0	9.0	.0	.0	.0	.0	10.0	
3-4	.0	.0	4.0	.0	.0	.0	4.0	
5-6	.0	.0	.0	.0	.0	.0	.0	
7	.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	5.0	9.0	4.0	.0	.0	.0	18.0	96.0

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	10.7	.0	.0	.0	.0	.0	10.7	
1-2	14.3	28.6	14.3	.0	.0	.0	57.1	
3-4	.0	.0	10.7	.0	.0	.0	10.7	
5-6	.0	.0	7.1	.0	.0	.0	7.1	
7	.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	3.6	.0	.0	3.6	
10-11	.0	.0	.0	3.6	.0	.0	3.6	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	3.6	3.6	.0	7.1	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
								28
TOT PCT	25.0	28.6	32.1	10.7	3.6	.0	100.0	

PERIOD: (OVER-ALL) 1949-1977

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	.0	4.5	2.3	2.3	4.5	.0	4.5	4.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	10	7
6-7	.0	.0	4.5	4.5	2.3	.0	2.3	.0	4.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	8	7
8-9	.0	.0	4.5	.0	4.5	2.3	13.6	6.8	2.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	15	9
10-11	.0	.0	.0	.0	6.8	2.3	.0	.0	4.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6	9
12-13	.0	.0	.0	.0	2.3	.0	.0	.0	2.3	2.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	5	13
>13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
INDET	2.3	.0	.0	.0	.0	.0	2.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2	5
TOTAL	1	2	5	3	9	2	10	5	6	1	0	0	0	0	0	0	0	0	0	44	8
PCT	2.3	4.5	11.4	6.8	20.5	4.5	22.7	11.4	13.6	2.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

DECEMBER

PERIOD: (PRIMARY) 1952-1977
(OVER-ALL) 1878-1977

AREA 0024 CHATHAM ISLAND
43.8S 176.9W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG	SPRAY BLWG DUST SNOW	NO SIG WEA
N	2.5	.0	.0	.0	.0	.0	.0	2.5	.0	.0	5.1	.0	.0	.0	.0	92.4
NE	23.1	.0	.0	.0	.0	.0	.0	23.1	.0	.0	.0	.0	.0	.0	.0	76.9
E	62.5	.0	.0	.0	.0	.0	.0	62.5	.0	.0	.0	.0	.0	.0	.0	37.5
SE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
S	.0	2.7	5.5	.0	.0	.0	.0	8.2	17.8	.0	.0	.0	.0	.0	.0	74.0
SW	4.7	2.3	4.7	.0	.0	.0	.0	11.6	8.1	.0	.0	.0	.0	.0	.0	80.2
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
NW	5.9	.0	.0	.0	.0	.0	.0	6.9	.0	.0	.0	.0	.0	.0	.0	93.1
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	.0	.0	.0	.0	.0
TOT PCT	6.6	1.1	2.2	.0	.0	.0	.0	9.9	5.5	.0	2.2	.0	.0	.0	.0	82.4
TOT OBS:	91															

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG	SPRAY BLWG DUST SNOW	NO SIG WEA
00&03	7.1	.0	.0	.0	.0	.0	.0	7.1	10.7	.0	.0	.0	.0	.0	.0	82.1
06&09	.0	.0	6.7	.0	.0	.0	.0	6.7	.0	.0	.0	.0	.0	.0	.0	93.3
12&15	10.7	.0	3.6	.0	.0	.0	.0	14.3	3.6	.0	3.6	.0	.0	.0	.0	78.6
18&21	4.5	4.5	4.5	.0	.0	.0	.0	13.6	4.5	.0	4.5	.0	.0	.0	.0	77.3
TOT PCT	6.5	1.1	3.2	.0	.0	.0	.0	10.8	5.4	.0	2.2	.0	.0	.0	.0	81.7
TOT OBS:	93															

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	WIND SPEED (KNOTS)									HOUR (GMT)							
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	.7	3.0	13.6	1.8	.0	.0		19.1	15.7	7.3	20.0	17.9	50.0	25.0	37.5	20.0	33.3
NE	1.4	3.9	1.6	.0	.0	.0		6.8	8.3	15.3	.0	1.8	.0	3.2	.0	7.5	.0
E	.5	.0	6.8	.9	.0	.0		8.2	15.3	8.9	.0	.0	.0	13.7	.0	10.0	.0
SE	.0	2.7	5.5	.0	.0	.0		8.2	11.5	12.1	.0	14.3	.0	3.2	6.3	10.0	.0
S	.5	7.3	12.0	.0	.0	.0		19.8	12.8	19.4	50.0	30.4	50.0	16.9	18.8	5.0	33.3
SW	2.3	5.9	11.6	2.7	.0	.0		22.5	12.8	21.0	30.0	19.6	.0	24.2	25.0	22.5	33.3
W	.0	2.3	2.5	1.8	.0	.0		6.6	16.2	4.8	.0	14.3	.0	7.3	.0	7.5	.0
NW	.2	1.4	5.5	.9	.0	.0		8.0	14.7	11.3	.0	1.8	.0	6.5	12.5	12.5	.0
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.9							.9	.0	.0	.0	.0	.0	.0	.0	5.0	.0
TOT OBS	7	29	65	9	0	0	110		13.4	31	5	14	2	31	4	20	3
TOT PCT	6.4	26.4	59.1	8.2	.0	.0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

	WIND SPEED (KNOTS)								HOUR (GMT)			
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	06 09	12 15	18 21
N	1.4	8.2	9.5	.0	.0		19.1	15.7	9.0	21.9	26.4	21.7
NE	2.5	3.9	.5	.0	.0		6.8	8.3	13.2	1.6	2.9	6.5
E	.5	4.1	3.6	.0	.0		8.2	15.3	7.6	.0	12.1	8.7
SE	.9	6.1	1.1	.0	.0		8.2	11.5	10.4	12.5	3.6	8.7
S	4.1	8.9	6.8	.0	.0		19.8	12.8	23.6	32.8	17.1	8.7
SW	5.5	8.4	8.6	.0	.0		22.5	12.8	22.2	17.2	24.3	23.9
W	1.4	.9	4.3	.0	.0		6.6	14.2	4.2	12.5	6.4	6.5
NW	.2	5.0	2.7	.0	.0		8.0	14.7	9.7	1.6	7.1	10.9
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	.9						.9	.0	.0	.0	.0	4.3
TOT OBS	19	50	41	0	0	110		13.4	96	16	35	23
TOT PCT	17.3	45.5	37.3	.0	.0		100.0		100.0	100.0	100.0	100.0

DECEMBER

PERIOD: (PRIMARY) 1952-1977
(OVER-ALL) 1878-1977

AREA 0024 CHATHAM ISLAND
43.8S 176.9W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS) 1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00&03	.0	11.1	30.6	58.3	.0	.0	.0	11.9	100.0	36
06&09	.0	6.3	12.5	62.5	18.8	.0	.0	15.6	100.0	16
12&15	.0	2.9	31.4	54.3	11.4	.0	.0	13.8	100.0	35
18&21	4.3	.0	21.7	65.2	8.7	.0	.0	13.8	100.0	23
TOT	1	6	29	65	9	0	0	13.4		110
PCT	.9	5.5	26.4	59.1	8.2	.0	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	5.5	1.5	4.8	8.5		5.2
NE	2.2	.0	1.6	4.4		5.7
E	1.3	.0	1.5	2.9		6.2
SE	1.5	.0	2.9	.4		4.9
S	1.5	.0	8.1	10.7		6.7
SW	5.9	7.4	6.6	5.9		4.8
W	2.9	4.4	.0	.7		2.5
NW	2.6	.0	2.2	.4		3.5
VAR	.0	.0	.0	.0		.0
CALM	.0	.0	.0	1.5		8.0
TOT OBS	16	9	19	24	68	5.2
TOT PCT	23.5	13.2	27.9	35.3	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT,NH >4/8) AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

WND DIR	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	TOTAL OBS
N	.0	.0	.0	.0	2.6	.0	2.9	1.5	.0	1.5	11.8	
NE	.0	.0	.0	1.5	2.9	.0	.0	.0	.0	.0	4.0	
E	.0	.0	.0	.0	1.5	2.9	.0	.0	.0	.0	1.5	
SE	.0	.0	.0	.0	.4	2.9	.0	.0	.0	.0	1.5	
S	.0	.0	1.5	.0	11.4	1.5	.0	.0	.0	.0	5.9	
SW	.0	1.5	.0	1.5	5.9	2.2	.0	.0	.0	.0	14.7	
W	.0	.0	.0	.0	.0	.7	.0	.0	.0	.0	7.4	
NW	.0	.0	.0	.0	.4	.0	.0	.0	.0	.0	4.8	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	1.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT OBS	1	1	1	2	17	7	2	1	0	1	35	68
TOT PCT	1.5	1.5	1.5	2.9	25.0	10.3	2.9	1.5	.0	1.5	51.5	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET):	VSBY (NM) = OR >10	= OR >5	= OR >2	= OR >1	= OR >1/2	= OR >1/4	= OR >50YD	= OR >0
= OR >6500	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
= OR >5000	1.5	3.0	3.0	3.0	3.0	3.0	3.0	3.0
= OR >3500	1.5	6.0	6.0	6.0	6.0	6.0	6.0	6.0
= OR >2000	7.5	14.9	16.4	16.4	16.4	16.4	16.4	16.4
= OR >1000	22.4	38.8	40.3	40.3	40.3	40.3	40.3	40.3
= OR >600	22.4	40.3	41.8	43.3	43.3	43.3	43.3	43.3
= OR >300	23.9	41.8	43.3	44.8	44.8	44.8	44.8	44.8
= OR >150	25.4	43.3	44.8	46.3	46.3	46.3	46.3	46.3
= OR > 0	25.4	43.3	44.8	46.3	46.3	47.8	47.8	47.8
TOTAL	17	29	30	31	31	32	32	32

TOTAL NUMBER OF OBS: 67

PCT FREQ NH <5/8: 52.2

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8 OBSCD	TOTAL OBS
8.1	9.5	12.2	10.8	6.8	6.8	5.4	12.2	27.0	1.4	74

DECEMBER

PERIOD: (PRIMARY) 1952-1977
(OVER-ALL) 1878-1977

AREA 0024 CHATHAM ISLAND
43.8S 176.9W

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	1.1	.0	.0	.0	.0	.0	.0	.0	.0	1.1	2.2	
	TOT %	1.1	.0	.0	.0	.0	.0	.0	.0	.0	1.1	2.2	
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	PCP	.0	.0	.0	.0	.0	1.1	.0	.0	.0	.0	1.1	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	1.1	.0	.0	.0	.0	1.1	
2<5	PCP	.0	.0	1.1	.0	.0	.0	.0	.0	.0	.0	1.1	
	NO PCP	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.1	
	TOT %	1.1	.0	1.1	.0	.0	.0	.0	.0	.0	.0	2.2	
5<10	PCP	.5	1.6	1.6	.0	.5	1.6	.0	.5	.0	.0	6.6	
	NO PCP	11.5	.5	.0	1.4	6.9	3.3	.5	4.4	.0	.0	28.6	
	TOT %	12.1	2.2	1.6	1.4	7.4	4.9	.5	4.9	.0	.0	35.2	
10+	PCP	.0	.0	.0	.0	1.1	.0	.0	.0	.0	.0	1.1	
	NO PCP	7.4	4.9	1.6	6.0	11.5	17.6	6.0	3.0	.0	.0	58.2	
	TOT %	7.4	4.9	1.6	6.0	12.6	17.6	6.0	3.0	.0	.0	59.3	
	TOT OBS												91
	TOT PCT	21.7	7.1	4.4	7.4	20.1	23.6	6.6	8.0	.0	1.1	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.1	1.1	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	1.1	.0	.0	.0	.0	.0	.0	.0	.0		1.1	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	1.1	.0	.0	.0	.0	.0	.0	.0	.0	1.1	2.2	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	1.1	.0	.0	.0		1.1	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	1.1	.0	.0	.0	.0	1.1	
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	1.1	.0	1.1	.0	.0	.0	.0	.0	.0		2.2	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	1.1	.0	1.1	.0	.0	.0	.0	.0	.0	.0	2.2	
5<10	0-3	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	1.1	
	4-10	1.1	.0	.0	1.1	3.8	2.2	.5	.0	.0		8.8	
	11-21	8.8	1.1	.5	.3	3.6	1.6	.0	3.8	.0		19.8	
	22+	2.2	.0	1.1	.0	.0	1.1	.0	1.1	.0		5.5	
	TOT %	12.1	2.2	1.6	1.4	7.4	4.9	.5	4.9	.0	.0	35.2	
10+	0-3	.8	.0	.0	.0	.5	1.6	.0	.3	.0	.0	3.3	
	4-10	1.1	4.4	.0	1.1	1.6	3.8	2.2	1.1	.0		15.4	
	11-21	5.5	.5	1.6	4.9	10.4	9.9	1.6	1.6	.0		36.3	
	22+	.0	.0	.0	.0	.0	2.2	2.2	.0	.0		4.4	
	TOT %	7.4	4.9	1.6	6.0	12.6	17.6	6.0	3.0	.0	.0	59.3	
	TOT OBS												91
	TOT PCT	21.7	7.1	4.4	7.4	20.1	23.6	6.6	8.0	.0	1.1	100.0	

DECEMBER

PERIOD: (PRIMARY) 1952-1977
(OVER-ALL) 1876-1977

AREA 0024 CHATHAM ISLAND
43.8S 176.9W

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET,NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00&03	.0	4.8	.0	9.5	23.8	14.3	.0	4.8	.0	.0	57.1	42.9	21
06&09	.0	.0	7.7	.0	30.8	.0	7.7	.0	.0	.0	46.2	53.8	13
12&15	.0	.0	.0	.0	23.5	11.8	5.9	.0	.0	.0	41.2	58.8	17
18&21	5.9	.0	.0	.0	23.5	11.8	.0	.0	.0	5.9	47.1	52.9	17
TOT	1	1	1	2	17	7	2	1	0	1	33	35	68
PCT	1.5	1.5	1.5	2.9	25.0	10.3	2.9	1.5	.0	1.5	48.5	51.5	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00&03	.0	.0	3.6	.0	32.1	64.3	28
06&09	.0	.0	.0	.0	20.0	80.0	15
12&15	3.6	.0	.0	3.6	46.4	46.4	28
18&21	4.5	.0	.0	4.5	36.4	54.5	22
TOT	2	0	1	2	33	55	93
PCT	2.2	.0	1.1	2.2	35.5	59.1	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET,NH >4/8), BY HOUR

HOUR (GMT)	<150 <50VSBY	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL OBS
00&03	.0	4.8	14.3	42.9	42.9	21
06&09	.0	7.7	7.7	38.5	53.8	13
12&15	.0	.0	6.3	31.3	62.5	16
18&21	5.9	5.9	5.9	41.2	52.9	17
TOT	1	3	6	26	35	67
PCT	1.5	4.5	9.0	38.8	52.2	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
65/69	.0	.0	.0	.0	1.4	1.4	.0	1.4	3	4.2
60/64	.0	.0	.0	2.8	1.4	5.6	2.8	8.5	15	21.1
55/59	.0	.0	.0	.0	8.5	12.7	14.1	21.1	40	56.3
50/54	.0	.0	.0	.0	1.4	9.9	1.4	4.2	12	16.9
45/49	.0	.0	.0	.0	.0	.0	.0	1.4	1	1.4
TOTAL	0	0	0	2	9	21	13	26	71	100.0
PCT	.0	.0	.0	2.8	12.7	29.6	18.3	36.6		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
1.4	1.4	.0	.0	.0	.0	1.4	.0	.0	.0
4.2	5.6	1.4	1.4	2.8	2.8	1.4	.0	.0	1.4
7.0	1.1	7.4	2.8	12.0	20.4	.0	5.6	.0	.0
.0	.0	.0	.4	7.4	4.9	4.2	.0	.0	.0
.0	.0	.0	.0	1.4	.0	.0	.0	.0	.0
12.7	8.1	8.8	4.6	23.6	28.2	7.0	5.6	.0	1.4

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00&03	72	71	66	59	54	53	53	59.7	36
06&09	60	59	59	55	53	53	53	56.1	16
12&15	65	64	62	56	51	49	49	56.4	33
18&21	68	67	61	57	53	52	52	57.3	24
TOT	72	68	65	57	53	49	49	57.6	109

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00&03	.0	4.8	4.8	47.6	4.8	38.1	81	21
06&09	.0	.0	23.1	38.5	15.4	23.1	78	13
12&15	.0	.0	19.0	19.0	23.8	38.1	84	21
18&21	.0	5.9	5.9	17.6	29.4	41.2	86	17
TOT	0	2	9	22	13	26	82	72

DECEMBER

PERIOD: (PRIMARY) 1952-1977
(OVER-ALL) 1878-1977

AREA 0024 CHATHAM ISLAND
43.8S 176.9W

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	49 52	53 56	57 60	61 64	65 68	TOT	W FOG	WO FOG
11/13	.0	.0	.0	1.2	.0	1	.0	1.2
7/8	.0	.0	.0	2.4	2.4	4	.0	4.8
5	.0	.0	.0	1.2	.0	1	.0	1.2
4	.0	.0	1.2	2.4	1.2	4	.0	4.8
3	.0	.0	3.6	1.2	1.2	5	.0	6.0
2	.0	1.2	6.0	.0	1.2	7	.0	8.4
1	1.2	1.2	7.2	2.4	.0	10	1.2	10.8
0	.0	6.0	2.4	.0	.0	7	1.2	7.2
-1	.0	7.2	6.0	.0	.0	11	.0	13.3
-2	1.2	8.4	8.4	.0	.0	15	.0	18.1
-3	.0	10.8	2.4	.0	.0	11	.0	13.3
-4	1.2	2.4	.0	.0	.0	3	.0	3.6
-5	.0	2.4	.0	.0	.0	2	.0	2.4
-6	.0	2.4	.0	.0	.0	2	.0	2.4
TOTAL	3	35	31	9	5	83	2	81
PCT	3.6	42.2	37.3	10.8	6.0	100.0	2.4	97.6

PERIOD: (OVER-ALL) 1963-1977

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	2.7	.0	.0	.0	.0	.0	2.7
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	2.7	.0	.0	.0	2.7
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	3.6	.0	.0	.0	3.6
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	2.7	.0	6.3	.0	.0	.0	8.9

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	3.6	.0	.0	.0	.0	.0	3.6
1-2	.0	3.6	.0	.0	.0	.0	3.6
3-4	.0	3.6	.0	.0	.0	.0	3.6
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	3.6	7.1	.0	.0	.0	.0	10.7

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	3.6	.0	.0	.0	3.6
5-6	.0	.0	.9	.0	.0	.0	.9
7	.0	.0	3.6	.0	.0	.0	3.6
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	7.1	.0	.0	.0	7.1

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.9	.0	.0	.0	.9
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.9	.0	.0	.0	.9

PERIOD: (OVER-ALL) 1963-1977 DECEMBER AREA 0024 CHATHAM ISLAND

TABLE 18 (CONT) 43.8S 176.9W

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

S

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	3.6	.0	.0	.0	3.6
5-6	.0	.0	17.9	.0	.0	.0	17.9
7	.0	.0	3.6	.0	.0	.0	3.6
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	24.1	.0	.0	.0	24.1

SW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	3.6	3.6	.0	.0	.0	.0	7.1
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	7.1	.0	.0	.0	7.1
5-6	.0	.0	.0	3.6	.0	.0	3.6
7	.0	.0	3.6	.0	.0	.0	3.6
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	3.6	3.6	10.7	3.6	.0	.0	21.4

W

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	7.1	.0	.0	.0	.0	7.1
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	7.1	.0	.0	7.1
10-11	.0	.0	3.6	.0	.0	.0	3.6
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	7.1	3.6	7.1	.0	.0	17.9

NW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	.9	.0	.0	.0	.0	.0	.9	
1-2	.0	3.6	.9	.0	.0	.0	3.6	
3-4	.0	.0	.0	.0	.0	.0	.0	
5-6	.0	.0	.9	.0	.0	.0	.9	
7	.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.9	3.6	.9	.0	.0	.0	5.4	96.4

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	14.3	3.6	.0	.0	.0	.0	17.9	
1-2	.0	14.3	.0	.0	.0	.0	14.3	
3-4	.0	3.6	14.3	.0	.0	.0	17.9	
5-6	.0	.0	21.4	3.6	.0	.0	25.0	
7	.0	.0	10.7	.0	.0	.0	10.7	
8-9	.0	.0	3.6	7.1	.0	.0	10.7	
10-11	.0	.0	3.6	.0	.0	.0	3.6	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	14.3	21.4	53.6	10.7	.0	.0	100.0	28

PERIOD: (OVER-ALL) 1952-1977 TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	4.2	4.2	9.9	7.0	12.7	1.4	.0	1.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	29	5
6-7	.0	1.4	7.0	7.0	5.6	11.3	2.8	.0	1.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	26	6
8-9	.0	.0	.0	1.4	1.4	1.4	2.8	1.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5	9
10-11	.0	.0	.0	.0	1.4	.0	.0	1.4	2.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4	12
12-13	.0	.0	.0	.0	1.4	.0	1.4	.0	.0	.0	.0	4.2	.0	.0	.0	.0	.0	.0	.0	5	17
>13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
INDET	1.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	0
TOTAL	4	4	12	11	16	10	5	3	3	0	0	3	0	0	0	0	0	0	0	71	7
PCT	5.6	5.6	16.9	15.5	22.5	14.1	7.0	4.2	4.2	.0	.0	4.2	.0	.0	.0	.0	.0	.0	.0	100.0	

ANNUAL

PERIOD: (PRIMARY) 1908-1978
(OVER-ALL) 1869-1978

AREA 0024 CHATHAM ISLAND
43.9S 177.0W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA				
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG	DUST SNOW	NO SIG WEA
N	4.9	2.1	1.7	.0	.0	.0	.0	8.8	5.1	.0	5.5	.0	.3	.0		80.3
NE	4.7	1.8	8.3	.0	.0	.0	.0	13.2	2.9	.0	5.1	.0	.4	.0		78.4
E	15.4	2.8	9.2	.0	.0	.0	.0	28.0	2.4	.0	4.5	.6	.0	.0		56.2
SE	8.0	3.9	5.2	.0	.0	.0	.0	17.1	1.8	.0	2.1	.0	.0	.6		78.4
S	2.4	4.0	6.3	.0	.0	.0	.0	12.7	2.2	.0	1.4	.0	.0	.0		83.7
SW	6.7	4.7	3.8	.0	.3	.0	.7	16.1	3.3	1.8	1.8	.0	.4	.0		77.7
W	5.2	1.0	2.3	.0	.0	.0	.0	6.5	1.1	.0	2.3	.5	1.7	.0		88.0
NW	4.4	.0	.8	.0	.0	.0	.0	5.2	7.9	.0	6.1	.0	4.2	.0		77.2
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	25.0	.0	.0	.0		41.7
TOT PCT	5.5	3.1	5.0	.0	.1	.0	.1	13.6	3.3	.3	4.2	.1	.8	.1		77.7
TOT OBS:	1067															

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA				
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG	DUST SNOW	NO SIG WEA
00&03	3.9	2.1	2.9	.0	.0	.0	.5	9.4	3.9	.0	6.3	.0	1.4	.3		79.6
06&09	4.0	1.0	7.2	.0	.0	.0	.0	11.7	2.3	.0	4.0	.6	.4	.0		81.0
12&15	6.8	4.0	4.8	.0	.3	.0	.0	16.0	2.9	1.0	4.2	.0	.4	.0		76.0
18&21	7.1	4.5	5.7	.0	.0	.0	.0	17.3	4.7	.0	1.3	.0	.6	.0		76.1
TOT PCT	5.5	2.9	4.9	.0	.1	.0	.1	13.4	3.3	.3	4.3	.1	.7	.1		77.9
TOT OBS:	1103															

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	WIND SPEED (KNOTS)									HOUR (GMT)							
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	.6	5.0	8.2	2.0	.3	.0		16.2	14.3	14.4	16.1	15.5	28.3	17.1	4.8	15.5	18.6
NE	.4	2.8	5.3	1.5	.5	.0		10.5	14.5	12.4	2.9	12.2	4.9	8.0	1.7	10.8	3.0
E	.2	2.1	4.2	2.4	.5	.0		9.4	16.2	10.4	12.2	7.7	2.8	8.2	.0	11.9	.0
SE	.4	1.8	4.6	1.0	.6	.0		8.4	14.9	9.0	.0	9.9	.0	9.6	.5	6.5	.0
S	.6	4.7	6.0	1.9	.6	.0		13.9	14.9	13.1	4.2	14.3	4.2	15.2	1.6	13.0	3.8
SW	.4	4.2	8.0	5.4	1.4	.3		19.6	19.3	19.6	6.7	16.3	8.6	19.9	12.9	19.7	26.7
W	.6	2.6	5.3	1.9	.4	.1		10.9	16.3	10.0	13.6	10.9	7.2	10.1	10.8	12.7	6.3
NW	.3	3.3	5.2	1.0	.1	.1		10.0	13.7	9.9	2.6	10.5	2.4	10.9	1.0	8.4	.0
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	1.2							1.2	.0	1.0	.6	2.5	.0	1.1	.0	1.4	.0
TOT OBS							1341		15.8	373	20	253	18	400	12	246	19
TOT PCT	4.7	26.5	46.8	17.1	4.5	.4		100.0		100.0	58.3	100.0	58.3	100.0	33.3	100.0	58.3

TABLE 3A

	WIND SPEED (KNOTS)								HOUR (GMT)			
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	06 09	12 15	18 21
N	2.3	7.7	5.2	1.0	.0		16.2	14.3	15.0	17.6	17.1	16.1
NE	1.1	4.8	3.6	.9	*		10.5	14.5	12.2	12.2	8.0	10.5
E	.9	3.5	3.6	1.3	.1		9.4	16.2	10.7	7.6	7.9	11.6
SE	1.2	3.6	2.6	.9	.1		8.4	14.9	8.6	9.1	9.4	6.1
S	2.2	6.8	3.2	1.7	*		13.9	14.9	13.1	14.0	15.1	13.0
SW	1.8	6.7	7.3	3.0	.9		19.6	19.3	19.5	15.9	20.2	21.7
W	1.5	4.0	4.4	.9	.1		10.9	16.3	10.5	10.9	10.5	11.9
NW	1.6	5.6	2.4	.4	.1		10.0	13.7	9.5	10.5	10.8	7.9
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	1.2						1.2	.0	.9	2.2	1.1	1.3
TOT OBS						1341		15.8	393	271	412	265
TOT PCT	13.7	42.8	32.1	10.1	1.3		100.0		100.0	100.0	100.0	100.0

ANNUAL

PERIOD: (PRIMARY) 1908-1978
(OVER-ALL) 1869-1978

AREA 0024 CHATHAM ISLAND
43.9S 177.0W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	1-3	4-10	WIND SPEED (KNOTS) 11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00&03	.9	3.3	24.9	50.3	15.4	5.0	.2	16.0	100.0	393
06&09	4.2	2.8	24.8	47.7	17.8	4.2	.4	15.7	100.0	271
12&15	1.1	4.2	27.7	45.3	17.9	3.3	.4	15.5	100.0	412
18&21	1.3	2.9	28.5	42.7	18.0	6.0	.7	16.4	100.0	265
TOT								15.6		1341
PCT	1.2	3.5	26.5	46.8	17.1	4.5	.4		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	2.2	1.6	5.8	5.9		5.7
NE	1.6	1.0	4.0	5.3		6.0
E	.9	.5	2.2	5.9		6.1
SE	.6	.4	2.9	2.0		6.0
S	.8	1.7	6.3	5.8		6.1
SW	2.0	3.5	8.2	4.9		5.6
W	2.6	2.6	3.7	3.1		4.4
NW	3.8	1.3	3.4	2.2		4.2
VAR	.0	.0	.0	.0		.0
CALM	.0	.0	.6	1.0		4.3
TOT OBS					740	5.7
TOT PCT	14.4	12.6	37.0	36.0	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT,NH >4/8) AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

WND DIR	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	TOTAL OBS
N	.2	.3	.4	1.8	2.8	2.1	.4	.5	.2	.4	6.6	
NE	.1	*	.0	1.9	2.8	1.6	.8	*	*	.4	4.3	
E	.1	.1	.3	1.1	2.1	3.2	.4	.1	.1	.1	1.8	
SE	.2	.0	.1	.4	1.0	1.9	.6	.0	.0	.0	1.8	
S	.3	.1	.6	.7	4.7	3.1	1.0	.0	.1	.0	4.0	
SW	*	.2	.6	2.4	4.4	2.7	.8	.2	.0	.0	7.3	
W	.1	.2	.4	.9	2.7	1.5	.3	.0	.0	.0	5.9	
NW	.1	.0	.2	1.1	1.7	1.0	.1	.3	.0	.1	6.1	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.2	.0	.1	.9	.1	.3	.2	.0	.0	.0	.3	
TOT OBS												740
TOT PCT	1.3	.8	2.9	10.7	22.1	17.3	4.6	1.0	.5	1.0	38.1	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) * OR >10	* OR >5	* OR >2	* OR >1	* OR >1/2	* OR >1/4	* OR >5OYD	* OR >0
* OR >6500	1.0	1.3	1.3	1.5	1.5	1.5	1.5	1.5
* OR >5000	1.7	2.3	2.3	2.5	2.5	2.5	2.5	2.5
* OR >3200	4.8	6.8	6.9	7.0	7.0	7.0	7.0	7.0
* OR >2000	17.8	23.3	24.2	24.5	24.5	24.5	24.5	24.5
* OR >1000	31.9	43.9	46.2	46.6	46.6	46.6	46.6	46.6
* OR >600	36.3	52.5	56.0	56.7	56.9	57.2	57.2	57.2
* OR >300	36.9	54.3	58.3	59.0	59.3	59.6	59.6	59.6
* OR >130	37.0	54.7	58.8	59.6	60.1	60.6	60.6	60.6
* OR > 0	37.3	55.0	59.3	60.1	61.1	61.7	61.9	61.9

TOTAL NUMBER OF OBS: 758 PCT FREQ NH <5/8: 38.1

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8 OBSCD	TOTAL OBS
8.1	6.2	6.7	8.2	7.7	7.8	10.0	13.6	30.8 .9	830

ANNUAL

PERIOD: (PRIMARY) 1906-1976
(OVER-ALL) 1869-1976

AREA 0024 CHATHAM ISLAND
43.9S 177.0W

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.3	.0	.1	*	.0	.0	.0	.2	.0	.3	1.0	
	TOT %	.3	.0	.1	*	.0	.0	.0	.2	.0	.3	1.0	
1/2<1	PCP	.2	*	.1	.5	.0	.0	.0	.1	.0	.0	.9	
	NO PCP	.3	.4	.1	.2	.3	*	.2	.1	.0	.1	1.6	
	TOT %	.5	.4	.2	.8	.3	*	.2	.2	.0	.1	2.6	
1<2	PCP	.1	.1	.3	*	.1	.1	.0	*	.0	.0	.7	
	NO PCP	.1	.1	.1	.0	.0	.1	.1	.2	.0	.0	.6	
	TOT %	.1	.2	.3	*	.1	.2	.1	.2	.0	.0	1.3	
2<5	PCP	.2	.2	.6	.2	.1	.4	.3	.0	.0	.0	1.9	
	NO PCP	.8	.3	.2	.3	.1	.4	.1	.3	.0	.0	2.5	
	TOT %	1.0	.5	.8	.4	.2	.7	.3	.3	.0	.0	4.4	
5<10	PCP	.8	.9	1.6	.7	1.6	1.9	.5	.2	.0	.0	8.3	
	NO PCP	3.7	2.9	1.8	1.9	2.8	6.3	2.5	3.3	.0	.2	25.5	
	TOT %	4.5	3.8	3.4	2.7	4.4	8.2	3.0	3.5	.0	.2	33.7	
10+	PCP	.1	.1	.3	.2	.3	.6	.1	.0	.0	.0	1.8	
	NO PCP	8.4	5.6	3.8	4.2	9.2	9.9	7.1	6.4	.0	.7	55.3	
	TOT %	8.5	5.8	4.1	4.5	9.5	10.5	7.2	6.4	.0	.7	57.1	
	TOT OBS												1067
	TOT PCT	14.9	10.7	9.0	8.4	14.5	19.6	10.8	10.8	.0	1.2	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.3	
	4-10	.0	.0	.1	*	.0	.0	.0	.0	.0		.2	
	11-21	.3	.0	.0	.0	.0	.0	.0	.2	.0		.5	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.3	.0	.1	*	.0	.0	.0	.2	.0	.3	.9	
1/2<1	0-3	.0	.0	.0	.0	.1	.0	.0	.0	.0	.1	.2	
	4-10	*	.3	.1	.0	.0	*	.2	.0	.0		.7	
	11-21	.3	.0	.1	.2	.1	.0	.0	.2	.0		.8	
	22+	.2	*	.1	.6	*	.0	.0	.0	.0		.9	
	TOT %	.5	.4	.2	.8	.3	*	.2	.2	.0	.1	2.6	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.1	.0	.0	.0	.0	.0	.0	.2	.0		.2	
	11-21	.1	.2	.1	.0	.0	.2	.1	.0	.0		.7	
	22+	.0	.0	.3	*	.1	.0	.0	*	.0		.4	
	TOT %	.1	.2	.3	*	.1	.2	.1	.2	.0	.0	1.3	
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	*	.0	.0	*	
	4-10	.1	.0	*	.0	*	*	.0	.2	.0		.4	
	11-21	.5	.3	.4	.4	.1	.2	.2	.0	.0		2.1	
	22+	.5	.2	.4	*	.1	.5	.1	*	.0		1.8	
	TOT %	1.0	.5	.8	.4	.2	.7	.3	.3	.0	.0	4.3	
5<10	0-3	.1	.1	.1	.1	.3	.1	.3	.0	.0	.2	1.3	
	4-10	1.3	.4	.8	.5	1.7	1.4	.4	1.0	.0		7.6	
	11-21	2.2	1.9	1.2	1.4	1.5	2.7	1.3	2.0	.0		14.3	
	22+	.9	1.4	1.2	.6	1.0	3.9	1.0	.5	.0		10.5	
	TOT %	4.5	3.8	3.4	2.7	4.4	8.2	2.9	3.5	.0	.2	33.6	
10+	0-3	.4	.2	.1	.3	.3	.3	.6	.4	.0	.7	3.3	
	4-10	2.7	2.0	.9	1.4	2.8	2.8	2.0	2.4	.0		16.9	
	11-21	4.3	2.8	2.3	2.4	4.9	4.5	3.4	3.0	.0		27.6	
	22+	1.1	.7	1.0	.4	1.5	3.0	1.2	.6	.0		9.3	
	TOT %	8.5	5.8	4.2	4.5	9.5	10.5	7.2	6.4	.0	.7	57.1	
	TOT OBS												1069
	TOT PCT	14.9	10.7	9.1	8.4	14.5	19.6	10.8	10.8	.0	1.2	100.0	

ANNUAL

PERIOD: (PRIMARY) 1908-1976
(OVER-ALL) 1869-1978

AREA 0024 CHATHAM ISLAND
43.9S 177.0W

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET,NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00&03	.3	1.2	2.9	12.4	16.4	21.5	2.4	1.6	1.0	.0	59.6	40.4	191
06&09	.0	1.7	2.4	6.5	22.7	17.8	5.2	.4	.0	1.7	59.0	41.0	203
12&15	1.7	.4	1.2	11.2	22.6	11.2	3.8	2.1	.0	1.0	55.4	44.6	183
18&21	2.4	.3	3.5	10.6	24.7	18.9	6.5	.0	.8	1.3	69.1	30.9	201
TOT													778
PCT	1.3	1.0	2.4	10.3	21.8	17.2	4.5	1.0	.5	1.0	60.8	39.2	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00&03	2.1	2.4	1.3	4.9	38.7	50.6	308
06&09	.9	1.0	1.6	3.2	18.1	75.2	224
12&15	.5	4.0	1.3	3.4	44.1	46.6	347
18&21	.4	1.0	.8	5.7	25.6	66.5	226
TOT							1105
PCT	1.0	2.2	1.3	4.2	34.1	56.9	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET,NH >4/8),BY HOUR

HOUR (GMT)	<150 <50YD	<600 <1	<1000 <3	1000+ AND5+	NH <5/8 AND 5+	TOTAL OBS
00&03	.3	6.5	19.9	41.2	38.9	188
06&09	.6	4.8	13.7	45.9	40.4	200
12&15	1.8	3.2	17.9	39.7	42.4	172
18&21	2.4	6.2	21.5	48.7	29.8	198
TOT						758
PCT	1.3	5.1	18.5	43.9	37.7	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
70/74	.0	.0	.0	.0	.0	.1	.0	.0		.1
65/69	.0	.0	.0	.0	.4	.3	.6	1.0		2.3
60/64	.0	.0	.0	.4	.8	1.7	4.1	6.7		13.7
55/59	.0	.0	.1	.2	2.3	6.3	10.1	9.2		28.2
50/54	.0	.0	.3	.8	4.9	7.1	11.5	13.1		37.7
45/49	.0	.0	.0	.4	1.7	5.3	3.8	6.2		17.4
40/44	.0	.0	.0	.0	.1	.2	.1	.1		.6
TOTAL									871	100.0
PCT	.0	.0	.4	1.7	10.3	21.0	30.3	36.4		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

	N	NE	E	SE	S	SW	W	NW	VAR	CALM
	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0
	1.2	.5	.1	.0	.1	*	.2	.2	.0	.0
	4.6	2.5	.9	.4	.4	.7	.8	3.1	.0	.2
	6.1	3.7	2.7	1.2	3.4	5.0	3.3	2.5	.0	.3
	5.5	3.5	3.6	2.7	6.3	7.9	5.0	2.8	.0	.4
	.6	.4	.7	1.7	2.9	7.8	1.7	1.6	.0	.1
	.0	.0	.0	.1	.4	.1	.0	.0	.0	.0
	18.0	10.7	7.9	6.0	13.6	21.6	10.9	10.2	.0	1.0

TABLE 15

MEANS,EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00&03	72	62	61	55	49	48	43	55.9	412
06&09	66	59	59	54	49	48	43	55.1	269
12&15	67	60	59	53	47	46	32	54.0	406
18&21	68	59	58	54	48	48	43	54.3	264
TOT	72	62	60	54	48	45	32	54.9	1351

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00&03	.0	2.3	11.6	26.8	29.7	29.5	82	225
06&09	.0	2.0	12.4	17.9	32.5	35.2	84	210
12&15	.0	2.0	7.8	20.3	27.5	42.4	86	261
18&21	.0	2.0	11.6	22.8	32.9	30.7	84	203
TOT	0	20	91	186	272	330	84	899

PERIOD: (PRIMARY) 1908-1978
(OVER-ALL) 1869-1978

AREA 0024 CHATHAM ISLAND
43.9S 177.0W

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	37 40	41 44	45 48	49 52	53 56	57 60	61 64	65 68	69 72	TOT	W FOG	WO FOG
14/16	.0	.0	.0	.0	.0	.5	.0	.0	.2	8	.0	.9
11/13	.0	.0	.0	.0	.0	.1	.1	.0	.0	2	.0	.2
9/10	.0	.0	.0	.0	.0	.4	.1	.1	.1	7	.0	.7
7/8	.0	.0	.0	.1	.6	.0	.3	.3	.0	11	.0	1.2
6	.0	.0	.0	.0	.1	.0	.3	.1	.0	5	.0	.5
5	.0	.0	.0	.2	.3	.5	.4	.1	.1	14	.0	1.7
4	.0	.0	.0	.0	.4	1.4	.8	.3	.0	26	.2	2.6
3	.0	.0	.1	.5	1.2	1.2	1.1	.6	.0	43	.2	4.5
2	.0	.0	.0	.8	2.9	1.6	1.4	.5	.1	64	.6	6.8
1	.0	.1	.0	1.6	3.0	3.5	1.8	.2	.0	101	1.1	9.2
0	.0	.0	1.5	2.1	3.6	2.7	1.4	.2	.0	108	.9	10.6
-1	.0	.0	1.2	3.9	4.1	3.1	1.0	.0	.0	124	.2	13.1
-2	.0	.0	1.6	5.3	3.4	2.5	.4	.0	.0	121	.6	12.5
-3	.0	.4	1.2	4.1	4.1	1.5	.1	.1	.0	105	.0	11.5
-4	.0	.2	1.1	4.4	1.4	.8	.1	.0	.0	74	.1	7.9
-5	.0	.2	2.1	1.7	1.2	.4	.0	.0	.0	50	.1	5.5
-6	.0	.2	1.0	.5	.6	.0	.1	.0	.0	23	.0	2.5
-7/-8	.0	.1	1.7	.3	.3	.0	.1	.0	.0	23	.0	2.5
-9/-10	.1	.2	.6	.2	.1	.0	.0	.0	.0	10	.0	1.3
-11/-13	.0	.2	.2	.1	.0	.0	.0	.0	.0	5	.0	.5
TOTAL										924		
PCT	.1	1.8	12.2	25.8	27.3	20.2	9.5	2.5	.5	100.0	3.9	96.1

PERIOD: (OVER-ALL) 1963-1978

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.4	.0	.1	.0	.0	.0	.5
1-2	.0	2.8	1.1	.0	.0	.0	3.9
3-4	.0	.5	2.9	.1	.0	.0	3.5
5-6	.0	.0	2.7	.4	.0	.0	3.1
7	.0	.0	.4	.5	.0	.0	1.0
8-9	.0	.0	.3	.8	.0	.0	1.1
10-11	.0	.0	.0	.3	.3	.0	.6
12	.0	.0	.0	.1	.0	.0	.1
13-16	.0	.0	.0	.0	.3	.0	.3
17-19	.0	.0	.0	.0	.2	.0	.2
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.4	3.2	7.6	2.4	.8	.0	14.4

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.7	.0	.0	.0	.0	.0	.7
1-2	.0	1.6	.8	.0	.0	.0	2.4
3-4	.0	.8	1.4	*	.0	.0	2.2
5-6	.0	.4	1.2	.2	.2	.0	2.0
7	.0	.1	1.2	.5	.0	.0	1.8
8-9	.0	.0	.0	.2	.0	.0	.2
10-11	.0	.0	.1	.1	.1	.0	.3
12	.0	.0	.4	.1	.0	.0	.6
13-16	.0	.0	.0	.2	.3	.0	.5
17-19	.0	.0	*	.2	.0	.0	.3
20-22	.0	.0	.0	.0	.2	.0	.2
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.7	2.8	5.2	1.5	.8	.0	11.1

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.2	.3	.0	.0	.0	.0	.4
1-2	.0	.5	.1	.0	.0	.0	.6
3-4	.0	.5	1.5	.2	.0	.0	2.2
5-6	.0	.3	1.4	.9	.0	.0	2.6
7	.0	.0	.6	.3	.0	.0	.8
8-9	.0	.0	.4	.9	.0	.0	1.3
10-11	.0	.1	.0	.3	.0	.0	.4
12	.0	.0	.1	.1	.0	.0	.2
13-16	.0	.0	.1	.4	.0	.0	.6
17-19	.0	.0	.1	.0	.0	.0	.1
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.2	1.7	4.3	3.0	.0	.0	9.2

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.6	.0	.0	.0	.0	.6
1-2	.0	.8	.2	.0	.0	.0	1.1
3-4	.4	.4	.7	.0	.0	.0	1.5
5-6	.0	.0	1.2	.3	.2	.0	1.8
7	.0	.1	.3	.2	.0	.0	.6
8-9	.0	.0	*	.2	.0	.0	.2
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	*	.0	.0	*
13-16	.0	.0	.0	*	.0	.0	*
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.4	2.0	2.5	.7	.2	.0	5.9

PERIOD: (OVER-ALL) 1963-1978

ANNUAL

AREA 0024 CHATHAM ISLAND
43.9S 177.0W

TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

S

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.3	2.1	.3	.0	.0	.0	2.8
3-4	.0	1.6	1.5	.1	.0	.0	3.2
5-6	.0	.3	3.8	.1	.0	.0	4.2
7	.0	.4	1.1	.0	.1	.0	1.6
8-9	.0	.0	.6	.7	.4	.0	1.7
10-11	.0	.2	.1	.0	.0	.0	.3
12	.0	.0	.4	.5	.2	.0	1.2
13-16	.0	.0	.1	.1	.0	.0	.2
17-19	.0	.0	.0	.1	.0	.0	.1
20-22	.0	.0	.0	.1	.1	.0	.2
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.3	4.5	8.0	1.8	.9	.0	15.5

SW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.3	.7	.0	.0	.0	.0	1.0
1-2	.0	2.1	1.0	.0	.0	.0	3.1
3-4	.0	.9	1.3	*	.0	.0	2.2
5-6	.0	.2	2.9	.9	.0	.0	4.0
7	.0	.0	1.0	.4	.2	.0	1.6
8-9	.0	.0	.5	.2	.0	.0	.8
10-11	.0	*	.2	.2	.7	.0	1.1
12	.0	.0	.0	1.1	.1	*	1.3
13-16	.0	.0	.0	1.0	.4	.0	1.4
17-19	.0	.0	.1	.2	.0	.0	.2
20-22	.0	.0	.0	*	.1	.0	.1
23-25	.0	.0	.0	.1	.1	.0	.2
26-32	.0	.0	.0	.0	.1	.3	.4
33-40	.0	.0	.0	.0	.0	.1	.1
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.3	3.9	7.1	4.1	1.7	.4	17.5

W

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.1	.1	.2	.0	.0	.0	.4
1-2	.9	1.8	.6	.0	.0	.0	3.3
3-4	.0	1.1	1.8	.0	.0	.0	2.9
5-6	.0	.2	1.4	.5	.0	.0	2.2
7	.0	.0	.6	.3	.2	.0	1.1
8-9	.0	.0	.3	1.0	.0	.0	1.3
10-11	.0	.1	.3	.1	.0	.0	.6
12	.0	.0	.0	.0	.1	.1	.2
13-16	.0	.0	.0	.1	.2	.0	.3
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.1	.0	.0	.1
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.0	3.3	5.2	2.1	.5	.1	12.3

NW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	.5	.0	.0	.0	.0	.0	.5	
1-2	.3	4.1	1.6	.0	.0	.0	6.0	
3-4	.0	.3	1.8	.2	.0	.0	2.3	
5-6	.0	.2	1.2	.3	.0	.0	1.7	
7	.0	.0	.1	.2	.0	.0	.3	
8-9	.0	.0	*	.3	.0	.0	.3	
10-11	.0	.0	.6	.5	.1	.1	1.3	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.8	4.7	5.3	1.4	.1	.1	12.4	98.3

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	4.0	1.7	.3	.0	.0	.0	6.0	
1-2	1.8	16.4	5.7	.0	.0	.0	23.8	
3-4	.4	5.8	12.8	.7	.0	.0	19.7	
5-6	.0	1.7	15.7	3.6	.5	.0	21.5	
7	.0	.6	5.3	2.3	.6	.0	8.8	
8-9	.0	.0	2.1	4.2	.4	.0	6.8	
10-11	.0	.4	1.2	1.5	1.1	.1	4.4	
12	.0	.0	1.0	2.0	.4	.1	3.6	
13-16	.0	.0	.2	1.8	1.2	.0	3.3	
17-19	.0	.0	.2	.5	.2	.0	.8	
20-22	.0	.0	.0	.2	.4	.0	.6	
23-25	.0	.0	.1	.1	.0	.0	.2	
26-32	.0	.0	.0	.0	.1	.3	.4	
33-40	.0	.0	.0	.0	.0	.1	.1	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
								579
TOT PCT	6.1	26.7	44.6	17.0	5.0	.6	100.0	

PERIOD: (OVER-ALL) 1949-1977

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	.5	4.5	6.6	5.1	4.0	1.5	2.0	.9	.6	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	185	5
6-7	.0	.4	2.7	5.6	6.0	6.1	3.0	.5	2.9	.3	.5	.0	.4	.0	.0	.0	.0	.0	.0	223	8
8-9	.0	.2	.5	1.0	4.0	2.5	4.3	2.9	1.8	.7	.9	.0	.2	.0	.0	.0	.0	.0	.0	147	10
10-11	.0	.1	.6	1.0	1.8	1.2	.8	.8	2.9	.6	.3	.3	.3	.0	.0	.0	.0	.0	.0	69	12
12-13	.0	.0	.8	.2	1.4	.7	.4	.1	.9	.3	.3	.4	.1	.1	.0	.0	.0	.0	.0	44	11
>13	.0	.0	.0	.2	.0	.5	.6	.1	.0	.0	.6	.1	.1	.0	.0	.0	.0	.0	.0	17	14
INDET	1.1	.0	.4	.6	2.5	.5	1.7	.1	.3	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	48	7
TOTAL PCT	1.6	5.3	11.6	14.3	19.7	13.0	12.7	5.3	9.4	2.4	2.8	.8	1.1	.1	.0	.0	.0	.0	.0	734	8
																				100.0	

PERIOD: (PRIMARY) 1908-1978
(OVER-ALL) 1869-1978

AREA 0024 CHATHAM ISLAND
43.9S 177.0W

TABLE 20

PERCENT FREQUENCY OF OCCURRENCE OF SEA TEMP (DEG F) BY MONTH

SEA TMP DEG F	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN	PCT
96+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
95/96	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
93/94	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
91/92	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
89/90	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
87/88	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
85/86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
83/84	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
81/82	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
79/80	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
77/78	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
75/76	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
73/74	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
71/72	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
69/70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
67/68	2.4	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5	.4
65/66	4.6	1.8	6.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	22	1.8
63/64	9.2	10.7	12.7	1.1	.0	.0	.0	.0	.0	.0	.0	3.0	54	4.4
61/62	17.3	22.3	25.4	8.5	.0	.0	.0	.0	.0	.0	.0	11.1	112	9.2
59/60	23.1	36.6	25.9	30.4	4.9	.0	.0	.0	.0	.0	.0	19.2	176	14.4
57/58	30.0	15.2	16.6	13.8	10.0	3.6	3.7	.0	.0	1.9	3.4	31.3	158	13.0
55/56	16.2	8.9	10.7	29.8	43.2	13.0	11.3	11.5	9.4	21.2	26.1	25.3	215	17.6
53/54	1.6	1.8	.5	12.6	19.8	22.2	37.7	43.4	31.8	28.8	37.5	8.1	217	17.8
51/52	.8	2.7	.5	3.3	9.9	29.6	16.0	18.6	20.0	15.4	18.1	2.0	113	9.3
49/50	.0	.0	.0	.0	6.2	20.4	10.3	17.7	11.8	15.4	12.5	.0	76	6.2
47/48	.0	.0	.0	.0	.0	5.6	14.1	4.4	21.2	13.5	2.3	.0	50	4.1
45/46	.0	.0	.0	.0	.0	3.7	6.7	4.4	3.5	3.8	.0	.0	19	1.6
43/44	.0	.0	.0	.0	.0	.0	.0	.0	2.4	.0	.0	.0	2	.2
41/42	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
39/40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
37/38	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
35/36	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
33/34	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
31/32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
29/30	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
27/28	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
<27	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
TOTAL	130	112	205	94	81	54	106	113	85	52	88	99	1219	100.0
MEAN	59.0	59.3	60.1	57.1	54.8	51.7	51.1	51.9	51.0	52.1	53.1	57.5	54.8	

TABLE 21

PRESSURE (MB)

AVERAGE BY HOUR (GMT)

MO	0000	0300	0600	0900	1200	1500	1800	2100	MEAN	TOTAL OBS
JAN	1015		1012	1008	1013		1013	1016	1014	101
FEB	1013	1028	1016		1016		1013		1015	99
MAR	1018	1013	1016	1019	1015	1010	1015	1014	1016	223
APR	1013		1013		1009		1010		1011	81
MAY	1012		1012	1015	1011		1007	1005	1011	91
JUN	1009		1011		1008		1014		1010	48
JUL	1012		1010		1012		1011		1011	106
AUG	1013	1029	1017	1027	1019	1019	1017	1019	1017	120
SEP	1015		1011		1014		1013		1014	94
OCT	1016	1016	1009	1019	1009		1013	1020	1012	52
NOV	1007	1004	1009	1001	1009	1002	1010	1012	1009	88
DEC	1013	1016	1014	1014	1011	1018	1012	1016	1013	98
ANN	1013	1018	1013	1015	1012	1012	1012	1015	1013	1201
OBS	295	21	251	20	326	13	256	19		

PERCENTILES

MO	MIN	1%	5%	25%	50%	75%	95%	99%	MAX
JAN	985	985	998	1008	1016	1019	1024	1030	1031
FEB	991	989	994	1009	1017	1021	1028	1030	1031
MAR	987	988	996	1011	1016	1021	1029	1033	1034
APR	990	990	997	1007	1013	1017	1022	1029	1030
MAY	988	988	995	1003	1014	1020	1025	1030	1031
JUN	992	992	992	999	1011	1018	1028	1028	1029
JUL	987	987	993	1004	1011	1019	1027	1030	1031
AUG	984	984	991	1010	1019	1027	1032	1034	1035
SEP	987	987	996	1008	1013	1021	1032	1033	1034
OCT	985	985	995	1002	1012	1021	1027	1028	1029
NOV	987	987	991	1000	1009	1018	1024	1026	1027
DEC	990	990	997	1007	1014	1019	1024	1025	1026

USCOMM-NOAA-ASHEVILLE, N.C.-7/79/150

Volume	Area	Name	Approximate Central Location	
1	1	Nauru Is. and Ocean Is.	0.5°S	168.0°E
	2	Gilbert Islands	0.0°	174.5°E
	3	Canton Is. and Phoenix Is.	3.0°S	171.5°W
	4	Christmas Is. and Jarvis Is.	0.5°N	158.5°W
	5	Solomon Islands NE	7.5°S	159.5°E
	6	Solomon Islands SW	8.5°S	158.5°E
	7	Funafuti Atoll	9.0°S	179.0°E
	8	Marquesas Islands	9.0°S	139.0°W
2	9	Isle Wallis	13.0°S	176.0°W
	10	Samoa Islands	14.0°S	171.0°W
	11	New Caledonia	20.4°S	166.1°E
	12	New Hebrides Islands	17.3°S	168.2°E
	13	Fiji Islands	17.6°S	179.1°E
	14	Tonga Islands	19.8°S	174.6°W
	15	Niue Island	19.0°S	170.0°W
	16	Rarotonga Is. (Lower Cook Islands)	20.2°S	158.7°W
3	17	Tahiti Is. and Moorea Is.	17.0°S	151.0°W
	18	Tuamotu Archipelago	16.5°S	143.5°W
	19	Pitcairn Island	25.0°S	130.0°W
	20	Easter Islands	27.5°S	109.5°W
	21	Isla San Ambrosio and Isla San Felix	26.0°S	80.0°W
	22	Islas Juan Fernandez	33.5°S	79.0°W
	23	Norfolk Island	29.0°S	168.0°E
	24	Chatham Island	44.0°S	176.5°W
4	25	Auckland West	36.8°S	173.5°E
	26	Auckland East	36.6°S	176.0°E
	27	Cook Strait NW	40.0°S	174.0°E
	28	Cook Strait	41.5°S	174.5°E
	29	Hawke Bay	40.3°S	177.5°E
	30	South Island NW	43.4°S	168.2°E
	31	Foveaux Strait	46.9°S	168.6°E
	32	Christchurch	44.0°S	172.8°E